

# JD Edwards EnterpriseOne Applications

---

## **Job Cost Implementation Guide**

9.2

Copyright © 2011, 2022, Oracle and/or its affiliates.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software" or "commercial computer software documentation" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

# Contents

<b>Preface</b>	<b>i</b>
<hr/>	
<b>1 Introduction to JD Edwards EnterpriseOne Job Cost</b>	<b>1</b>
JD Edwards EnterpriseOne Job Cost Overview	1
JD Edwards EnterpriseOne Job Cost Business Process	5
JD Edwards EnterpriseOne Job Cost Integrations	7
JD Edwards EnterpriseOne Job Cost Implementation	10
Business Interface Integration Objects	11
<b>2 Setting Up the Job Cost System</b>	<b>13</b>
Understanding Job Cost Setup Requirements	13
Understanding UDCs for Job Cost	14
Setting Up Job Cost Constants	18
Setting Up AAls for Job Cost	20
Setting Up Ledger Types for Job Cost	23
Setting Up Next Numbers	27
<b>3 Setting Up Jobs</b>	<b>29</b>
Understanding Jobs	29
Setting Up Job Master Records	29
Setting Up Supplemental Data for Jobs	40
<b>4 Setting Up Cost Code Structures</b>	<b>43</b>
Understanding Cost Code Structures	43
Creating a Chart Type	50
Creating Cost Code Structures	53
Creating Multiple Cost Code Structures Simultaneously	58
Assigning Alternate Sequences	61
<b>5 Understanding Setup for Project Status Inquiry (Release 9.2 Update)</b>	<b>67</b>
Setup for Project Status Inquiry	67

---

Contract Billing Setup for Project Status Inquiry	68
Advanced Contract Billing Setup for Project Status Inquiry (Optional)	69
UDCs for Project Status Inquiry	70
Setting Up Next Numbers	73
Setting Up Account Ranges	73
<b>6 Setting Up Columns, Formulas, and Visual Alerts (Release 9.2 Update)</b>	<b>77</b>
Understanding Inquiry Columns	77
Understanding Column Types	78
Understanding Totaling Methods	79
Understanding the As If Currency Enabled Option	82
Understanding Decimal Display Values	83
Setting Up Columns for Ledger Types	83
Setting Up Columns for Non-JA and Non-JU Budget Ledgers	87
Setting Up Columns with Billing Amounts	92
Setting Up Columns with Formulas	97
Setting Up Columns with Percent Complete	105
Setting Up Columns with Visual Alerts	107
Defining Column Layouts	112
<b>7 Working with Revenue Performance Obligations (Release 9.2 Update)</b>	<b>117</b>
Understanding Revenue Performance Obligations in JD Edwards EnterpriseOne Job Cost	117
Setting Up Revenue Performance Obligation AAIs	119
Entering Revenue Performance Obligations	122
Example: Revenue Performance Obligation and RPO AAI Setup: Review Resulting Accounts	125
Updating Percent Complete at the Revenue Performance Obligation Level	135
Generating Profit Recognition Data for Revenue Performance Obligations	135
Revising Profit Recognition Records for Revenue Performance Obligations	136
Creating Profit Recognition Journal Entries for Revenue Performance Obligations	137
Reviewing the Profit Recognition Job Status Report (R51445) for Revenue Performance Obligations	137
<b>8 Entering Budgets and Scheduling Jobs</b>	<b>139</b>
Understanding Job Cost Budgets	139
Entering an Original Budget	140
Entering Budget Revisions	147
Entering Cost Code Schedules	152

<b>9</b>	<b>Inquiring on Job Information</b>	<b>155</b>
	Understanding Job Cost Inquiries	155
	Common Fields Used in This Chapter	156
	Reviewing Basic Job Information	156
	Reviewing Job Information with User Defined Columns	162
	Reviewing Budget Information by Ledger Type	171
	Reviewing Accounts Payable Information by Job	172
<b>10</b>	<b>Tracking Job Progress</b>	<b>175</b>
	Understanding Job Progress (Release 9.2 Update)	175
	Understanding Computation Methods	176
	Prerequisites	192
	Common Fields Used in This Chapter	192
	Generating the Field Progress Report	193
	Entering Account Progress Information	194
	Entering Job Progress Information	198
	Entering Performance-Based Labor Progress Information	204
<b>11</b>	<b>Recognizing Profit</b>	<b>213</b>
	Understanding Profit Recognition	213
	Updating the Percent Complete for a Job	213
	Generating Profit Recognition Data	214
	Removing a Recognition Version	220
	Revising Profit Recognition Information	221
	Creating Profit Recognition Journal Entries	229
	Creating Obsolete Profit Recognition Records (Release 9.2 Update)	235
<b>12</b>	<b>Forecasting Job Revenue and Cost</b>	<b>239</b>
	Working with Forecasts	239
	Posting Forecasts	251
<b>13</b>	<b>Processing Draws</b>	<b>253</b>
	Understanding the Draw Process	253
	Generating Draws	254
	Revising Draw Transactions	256
	Printing the Draw Detail Report	260

<b>14</b>	<b>Running Job Cost Updates</b>	<b>263</b>
	Running Job Cost Updates	263
	Updating Account Information for Draw Reporting	263
	Updating Methods of Computation	264
	Recalculating Job Cost Projections	265
	Deleting Projected Final Information	266
	Summarizing and Purging Job Information	266
<b>15</b>	<b>Selecting Job and Billing Data to View (Release 9.2 Update)</b>	<b>269</b>
	Understanding the Project Status Inquiry Process	269
	Understanding the Work with Project Status Inquiry Program	270
	Specifying Job and Billing Data to View	279
<b>16</b>	<b>Viewing Job and Billing Data (Release 9.2 Update)</b>	<b>291</b>
	Understanding the Project Status Inquiry Program	291
	Viewing Job and Billing Data	301
<b>17</b>	<b>Generating Job and Billing Data to View Later (Release 9.2 Update)</b>	<b>307</b>
	Understanding How to Generate Job and Billing Data to View Later	307
	Running the Submit Project Status Inquiry View Program	308
	Setting Processing Options for Submit Project Status Inquiry View (R51X0300)	308
<b>18</b>	<b>Working With Saved Results (Release 9.2 Update)</b>	<b>313</b>
	Understanding Saved Results	313
	Setting Processing Options for Work with Project Status Inquiry View Program (P51X0310)	314
	Working with Saved Results	315
<b>19</b>	<b>Appendix A - JD Edwards EnterpriseOne Job Cost Reports</b>	<b>317</b>
	Job Cost Reports	317
	Job Cost Summary Reports: A to Z	317
	Selected Job Cost Reports	319
<b>20</b>	<b>Appendix B - Tables Used by the Job Cost System</b>	<b>339</b>
	Tables Used by the Job Cost System	339

Job Cost System Tables	339
Project Status Inquiry Tables (Release 9.2 Update)	341
<b>21 Appendix C - Delivered User Defined Objects for Job Cost (Release 9.2 Update)</b>	<b>343</b>
Delivered User Defined Objects for Job Cost (Release 9.2 Update)	343
Job Cost Notifications	343
<b>22 Glossary</b>	<b>345</b>
Cost Code	345
Cost Type	345
Job	345
Job Type	345
LD, LOD, Level of Detail	345
PE, Posting Edit, Posting Edit Code	346
Project	346
<b>Index</b> .....	<b>347</b>





# Preface

Welcome to the JD Edwards EnterpriseOne documentation.

## Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

## Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

## Related Information

For additional information about JD Edwards EnterpriseOne applications, features, content, and training, visit the JD Edwards EnterpriseOne pages on the JD Edwards Resource Library located at:

<http://learnjde.com>

## Conventions

The following text conventions are used in this document:

Convention	Meaning
<b>Bold</b>	Boldface type indicates graphical user interface elements associated with an action or terms defined in text or the glossary.
<i>Italics</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<b>Monospace</b>	Monospace type indicates commands within a paragraph, URLs, code examples, text that appears on a screen, or text that you enter.
<b>&gt; Oracle by Example</b>	Indicates a link to an Oracle by Example (OBE). OBEs provide hands-on, step-by-step instructions, including screen captures that guide you through a process using your own environment. Access to OBEs requires a valid Oracle account.



# 1 Introduction to JD Edwards EnterpriseOne Job Cost

## JD Edwards EnterpriseOne Job Cost Overview

The JD Edwards EnterpriseOne Job Cost system from Oracle, along with other JD Edwards EnterpriseOne systems, can assist you in managing projects and jobs, and monitoring the costs and revenues associated with them. You can use JD Edwards EnterpriseOne Job Cost to perform these tasks:

- Create and maintain cost code structures for all jobs.
- Establish job budgets.
- Set up time schedules for job tasks.
- Track and manage the costs and revenues associated with projects and jobs.
- Review and revise additional information associated with projects and jobs.
- Generate various reports showing the cost, revenues, and other details of projects and jobs.
- Calculate job progress at any time during the job.
- Calculate estimated final values associated with projects and jobs.
- Recognize and record profit or loss at any point in a job.
- Create draw reports on the costs that are eligible to be borrowed against a loan agreement.

The JD Edwards EnterpriseOne Job Cost system has the flexibility to manage the jobs associated with a wide variety of businesses, including these business areas:

- Mining
- Utilities
- Engineering projects
- Media production
- General contracting
- Manufacturing
- Self-constructed assets
- Property development and home building
- Heavy equipment and highway contracting

In addition, you can customize the JD Edwards EnterpriseOne Job Cost system to the specific business needs by completing these tasks:

- Setting up unique cost code structures for different jobs.
- Integrating industry specific terminology into forms and reports.
- Selecting from various computation methods when calculating projected final values.

The JD Edwards EnterpriseOne Job Cost system enables you to manage the projects and jobs. For example, the financial features enable you to monitor the costs and revenues associated with the job. System features include:

- Final projections

- Profit recognition
- Job status inquiry
- Audit trail management
- Job budget revision
- Cost analysis
- Draw processing
- Report generation
- Project status inquiry (Release 9.2 Update)

## Final Projections

The JD Edwards EnterpriseOne Job Cost system calculates projected final values for a job at any time during the job. Final projections are calculated based on the costs, revenues, and percentage of completion associated with a job at a specified time.

Final projections include:

- Projected final costs.
- Projected final revenues.
- Projected final profit.
- Projected over and under values.

## Profit Recognition

The JD Edwards EnterpriseOne Job Cost system assists you in creating profit recognition journal entries for revenue and cost. These entries are based on the percentage of completion of a job at any time during job progression. These journal entries are used for cost accounting purposes. You can manually adjust the recognized revenue and cost for each job, depending on the accounting needs.

## Job Status Inquiry

The JD Edwards EnterpriseOne Job Cost system provides you with an online inquiry option. With this option, you can view all information that relates to the projects or jobs. You can also review predefined job information. Set up columns to view specific information with the Job Status Inquiry programs (P512000 and P512100). When you finish viewing this information, you can save the columnar format for future viewing. You can use the Job Status Inquiry program to view:

- Actual amounts and quantities.
- Original and revised budget amounts and quantities.
- Total and open commitments, amounts, and quantities.
- Projected final amounts and quantities.
- Projected over or under amounts and quantities.
- Percentage of completion information for each account.

## Audit Trail Management

The JD Edwards EnterpriseOne Job Cost system maintains a detailed audit trail of all transactions for a job. Audit trails can include details that relate to projected final values, budget changes, commitments, and so on.

## Job Budget Revision

The JD Edwards EnterpriseOne Job Cost system enters and locks original budget information for a job. After you lock a budget, you must enter a budget revision to change it. You can use the Budget Revisions program (P510171) to create audit trails of budget changes to a job. These audit trails enable you to compare original budget information with revised budget information when a job is completed.

Budget changes can occur as a result of these cost controls:

- Actual cost control using Accounts Payable vouchers, payroll equipment billings, and inventory issues
- Final cost control using percentage of completion and projected final cost estimates
- Committed cost control using subcontracts and purchase orders

## Cost Analysis

The JD Edwards EnterpriseOne Job Cost system analyzes the unit costs associated with jobs. For example, you can analyze these costs:

- Hourly labor rates
- Cost per unit
- Labor hours per unit

## Draw Processing

The JD Edwards EnterpriseOne Job Cost system tracks the progress of the jobs. If you have a line of credit with an institution, you can track the costs that are eligible for reimbursement in the accounts. A draw report of the eligible costs to submit to the lending institution can be generated.

## Report Generation

The JD Edwards EnterpriseOne Job Cost system produces reports that you can use to manage and review information for the jobs. You can generate:

- Management summary reports.
- Job and account setup reports.
- Financial detail reports.

- Supplemental data reports.

## Project Status Inquiry (Release 9.2 Update)

As you manage your project portfolio, you likely find that your projects change quite frequently. For example, your subcontractors might not show up at a job site, material and labor costs might fluctuate, equipment can break down, and weather can cause delays. You need to manage these frequent changes by adjusting your budgets and open commitments; and managing projected final, billing, and other amounts to ensure that each project is completed under budget and with maximum profitability.

You also need to manage the cash related to your projects. Revenues received and accounts unbilled affect how you allocate resources to your projects as much as on-the-job changes. Effective management of your projects requires you to have immediate insight into your projects, contracts, expenses, and cash.

By using project status inquiry, you define the data that you want to view. You can specify which associated ledger, budget, and billing amounts that you want to review for your projects and jobs; set additional parameters such as what data to display in a chart format; and with the click of a button, access data for your projects that show the relationships between the job, contract, billing amounts, and revenue.

The project status inquiry programs provide you the ability to view job and cost details in many configurations. You can set the parameters for the data that you want to view and then view the project and cost code details in the Project Status Inquiry form.

Using the project status inquiry programs, you can:

- Define columns for the ledger and billing amounts that you want to view.
- Group the column definitions into easy-to-use column layouts.
- Customize and display indicators to alert you to amounts that exceed the thresholds that you specify.
- View job, project, and billing data in detail or graph configurations on the Project Status Inquiry form.
- View detailed job and billing data across multiple jobs, projects, and companies.
- Specify the data to include in a chart in the Project Status Inquiry form.
- Save the view of the job and billing records that you selected along with the values that the system calculated for the records.

## Security Considerations

You might have data in your system for which you want to prevent access by some users. For example, you might have confidential billing rate information in your system that not all users should access.

Project status inquiry writes job and billing data to the Project Status Inquiry Worktable (F51X10). You should consider setting up row or table security for the F51X10 table if you have confidential information in these tables read by the system:

- Business Unit Master (F0006)
- Account Master (F0901)
- Account Balances (F0902)
- Account Ledger (F0911)
- Billing Detail Workfile (F4812)
- Billing Workfile History (F4812H)

- Customer Ledger (F03B11)
- Invoices Summary Workfile (F4822)

See *"Using Security Workbench" in the JD Edwards EnterpriseOne Tools Security Administration Guide* .

Project status inquiry provides these security features:

- Processing options in the Work with Project Status Inquiry program (P51X0200):
  - Restrict Column Layout
 

You can set this processing option to restrict changes and additions to column layouts. If you restrict changes, then users cannot add additional columns to view additional information.
  - Display Contract/Service Billing Columns
 

You can set this processing option to prevent the system from displaying columns associated with billing amounts in the Work with Project Status Inquiry program.
  - Allow View Later Processing
 

You can set this processing option to prevent users from saving results.

See *Setting Processing Options for Work with Project Status Inquiry (P51X0200)*.

- Processing options in the Work with Project Status Inquiry View Program (P51X0310):
  - View Any User
 

You can set this processing option to restrict each user to viewing only the results generated by the user.
  - Delete Any User
 

You can set this processing option to restrict each user to deleting only the results generated by the user.

## JD Edwards EnterpriseOne Job Cost Business Process

This table lists and describes the business processes that comprise the JD Edwards EnterpriseOne Job Cost business process flow:

Business Process	Description
Enter job information.	Create a job master record that identifies the company and includes the job number and name. If the job is part of a larger project, create the project master record first, and then create job master records.
Enter cost code structure and schedule information.	Create a chart of accounts for each job to track, manage, and report on the costs associated with a job. You can copy accounts from a chart type or you can copy accounts and related budget information from an existing job. For each account, identify the planned start and finish dates, and update this information as the job progresses.
Enter revenue performance obligation records.	A revenue performance obligation (RPO) is identified as a set of accounts that is associated with a job. Use an RPO to track specific costs and revenue for an obligation within a job.

Business Process	Description
Enter original budget information.	Enter the monetary amounts and quantity information for each account that you want to track or report.
Enter revised budget information.	Change monetary amounts and quantity information incrementally or cumulatively while maintaining the original budget information.
Review job and specific account information.	Review the progress of the job at any time to identify potential problems in projected budget and cost variances. You can access job or account information that is managed by other systems.
Enter job progress information.	Enter actual amount and quantity information, and enter an estimated percentage of completion for each account. Enter a method of computation so that the system can calculate projected finals. To meet the business requirements, change any of the information shown and recalculate projected final information.
Estimate profit.	Estimate the job profit to ensure that the job is meeting the business requirements. You can estimate the job profit at any time before completion. The system calculates the estimated profit-to-date and projected final profit, revenue, and cost details for the job. Estimated profit can reflect either a net profit or a net loss.
Change the estimated profit information.	Change the estimated profit information by changing any of these parameters: <ul style="list-style-type: none"> <li>• Profit recognition method</li> <li>• Deferred and accrued cost information</li> <li>• Percent complete information</li> <li>• Projected final value information</li> </ul>
Create journal entries.	Create journal entries for each profit recognition record that you process.
Post journal entries.	Post the batch that contains the profit recognition records.
Generate draw information.	Generate a draw report to submit to the financial institution so that you can receive a disbursement of the loan money based on the eligible costs that you have incurred for the job over a given period.
Close the job.	Close the job after it is complete or after all of the transaction information related to the job is posted.
Purge job cost information.	Use features managed by the JD Edwards EnterpriseOne General Accounting system to periodically purge outdated or completed job cost information from the F0902 and F0911 tables to free space. Before you purge a job from the system, you should summarize and copy related information in the F0901, F0902, and F0911 tables.

We discuss these business processes in the business process chapters of this implementation guide.

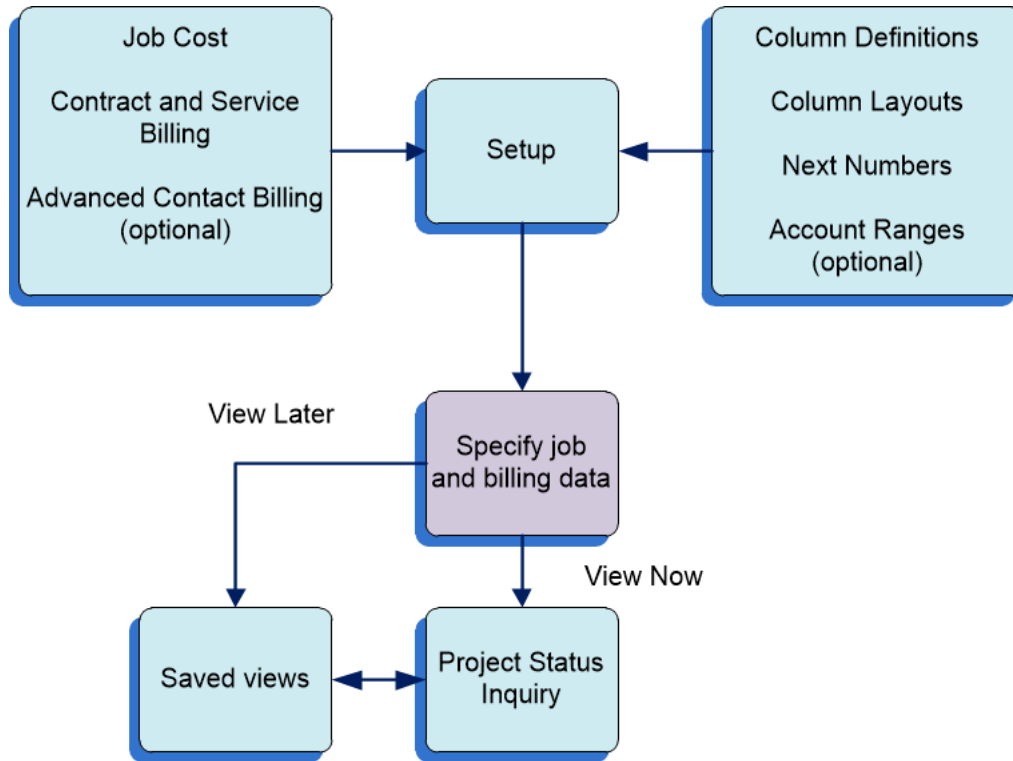
**Note:**

- *"Summarizing Records and Purging Records" in the JD Edwards EnterpriseOne Applications General Accounting Implementation Guide .*



## Project Status Inquiry Business Process (Release 9.2 Update)

This process flow illustrates the project status inquiry business process:



To use project status inquiry, you:

1. Update your job progress in the JD Edwards EnterpriseOne Job Cost system.
2. Update your billing records in the JD Edwards EnterpriseOne Contract and Service Billing system or the JD Edwards EnterpriseOne Advanced Contract Billing system.
3. Set up column definitions for the data that you want to view.
4. Optionally, set up column layouts to group together column definitions.
5. Specify the selection criteria for the data that you want to view, including columns, summarize and sequence options, and the date range of the data.
6. Immediately view job and billing data across multiple jobs, projects, and companies; or save the generated records to view later.

## JD Edwards EnterpriseOne Job Cost Integrations

The JD Edwards EnterpriseOne Job Cost system integrates with these JD Edwards EnterpriseOne systems from Oracle:

System	Description
JD Edwards EnterpriseOne Accounts Payable	This system updates the appropriate accounts payable records when you enter progress payments, record vouchers, or make payments for a job.

System	Description
JD Edwards EnterpriseOne Accounts Receivable	This system updates the appropriate accounts receivable records when you record contract billings against the work on the jobs.
JD Edwards EnterpriseOne Address Book	This system provides the addresses of suppliers, subcontractors, and business owners. You can use this information to print payments, reports, and so on.
JD Edwards EnterpriseOne Change Management	This system integrates budget change orders in the JD Edwards EnterpriseOne Job Cost, JD Edwards EnterpriseOne Subcontract Management, and JD Edwards EnterpriseOne Contract Billing systems.
JD Edwards EnterpriseOne Contract Billing	This system uses the account information in the JD Edwards EnterpriseOne Job Cost system to generate billings for contracted work.
JD Edwards EnterpriseOne Subcontract Management	<p>This system updates committed units and amounts to accounts in the JD Edwards EnterpriseOne Job Cost system. You can manage contract budgets and cost projections through the JD Edwards EnterpriseOne Job Cost system.</p> <p>JD Edwards EnterpriseOne Subcontract Management integrates with JD Edwards EnterpriseOne Job Cost to manage the day to day and long term details of contracts, payments, and commitments associated with a job. Use the JD Edwards EnterpriseOne Subcontract Management system to create and maintain contracts, establish payment guidelines and make payments, track expenses paid, track future commitments, enter change orders for contracted commitments, and generate status reports for contracts and commitments. Use the JD Edwards EnterpriseOne Change Management system to record changes to open commitment amounts for subcontracts that are tied to jobs.</p> <p>The Commitment Ledger (ledger types PA and PU) is updated for open commitment amounts as subcontract orders are entered in the JD Edwards EnterpriseOne Subcontract Management system. The open commitment amounts are relieved from the PA/PU ledger when payments are made and posted against contracts using the Account Progress Entry program (P510211) or the Job Progress Entry program (P510212).</p> <p>The result of amounts updated to the Commitment Ledger affects the projected final amount for a job or project. All of these amounts can be reviewed in the Job Status Inquiry program (P512000 or P512100). You can use these programs to compare budget amounts, actual amounts, commitments, and projected final amounts associated with a job or project.</p>
JD Edwards EnterpriseOne Equipment/Plant Maintenance	This system charges equipment time and costs to specified accounts within a job.
JD Edwards EnterpriseOne Fixed Assets	This system records the development costs for self-constructed assets, such as buildings.
JD Edwards EnterpriseOne General Accounting	This system updates accounts in the Job Cost system to reflect changes to general ledger balances.
JD Edwards EnterpriseOne Inventory Management	This system credits inventory accounts and debits cost accounts in the Job Cost system as inventory is issued.
JD Edwards EnterpriseOne Payroll	This system manages the labor and equipment costs that relate to jobs.
JD Edwards EnterpriseOne Real Estate Management	The development and finish work costs associated with this system are tracked by the Job Cost system.

System	Description
JD Edwards EnterpriseOne Procurement	<p>This system and the JD Edwards EnterpriseOne Job Cost system share a common database, which enables you to view the purchase orders and committed amounts related to a job.</p> <p>Throughout the JD Edwards EnterpriseOne Procurement system, future payment obligations that are recorded and tracked are called commitments. The system maintains commitment amounts in the Job Cost Commitment ledgers (PA/PU). A commitment amount is created when a purchase order is entered for nonstock materials associated with a job. The PA/PU ledger is updated in the Account Balances table F0902 from the F43199 table.</p> <p>When a purchase order is received and vouchered, the open commitment balance does not change. The open amount is relieved when the voucher is posted. During the post, an additional record is created in the F43199 table with a description of the receipt or payment for the purchase order. The open commitment amount is then relieved from the PA/PU ledger and added to the Actual Amounts (AA/AU) ledger.</p>
JD Edwards EnterpriseOne Service Billing	<p>This system manages billing for the costs associated with progress on a job.</p>
JD Edwards EnterpriseOne Work Order Processing	<p>This system lets you limit line item commitments to a work order. You charge costs from the line item to the work order in the JD Edwards EnterpriseOne Job Cost, JD Edwards EnterpriseOne Subcontract Management, and JD Edwards EnterpriseOne General Accounting systems.</p>
JD Edwards EnterpriseOne Engineering to Order	<p>This system manages costs and tracks progress for large-scale manufacturing related jobs. It uses detailed planning and execution phases, which are useful in managing jobs for supply chain execution modules.</p> <p>JD Edwards EnterpriseOne Engineering To Order integrates with JD Edwards EnterpriseOne Job Cost to:</p> <ul style="list-style-type: none"> <li>• Create and upload the job master and chart of accounts.</li> <li>• Upload original budget information.</li> <li>• Create and upload budget revisions.</li> <li>• Calculate projected final amounts.</li> <li>• Calculate the percent complete.</li> <li>• Determine job profitability.</li> </ul> <p>JD Edwards EnterpriseOne Job Cost is a useful tool for JD Edwards EnterpriseOne Engineering to Order users because of its extensive cost analysis functionality, budget revision tracking, detailed cost structure, and its integration with the JD Edwards EnterpriseOne Contract Billing system.</p>
Advanced Contract Billing	<p>This system enables project-based organizations to set up and manage complex and sophisticated contracts. Using the programs within this system, you can set up contracts that track, store, report, and invoice in numerous ways to accommodate a wide variety of contract terms, including U.S. government contracts. If you set a processing option to do so, you can view contract and accounts receivable information about your projects and jobs in Project Status Inquiry.</p>

We discuss integration considerations in the implementation chapters of this implementation guide. Supplemental information about third-party application integrations is located on the My Oracle Support website: <https://support.oracle.com/>

# JD Edwards EnterpriseOne Job Cost Implementation

This section provides an overview and discusses the steps that are required to implement the JD Edwards EnterpriseOne Job Cost system.

In the planning phase of the implementation, take advantage of all JD Edwards EnterpriseOne sources of information, including the installation guides and troubleshooting information.

When determining which electronic software updates (ESUs) to install for JD Edwards EnterpriseOne Job Cost, use the EnterpriseOne and World Change Assistant. EnterpriseOne and World Change Assistant, a Java-based tool, reduces the time required to search and download ESUs by 75 percent or more and enables you to install multiple ESUs at one time.

See [JD Edwards EnterpriseOne Tools Software Updates Guide](#)

## Implementation Steps

The implementation steps for the JD Edwards EnterpriseOne Job Cost system are:

1. Set up global user-defined codes.  
See ["Working with User Defined Codes" in the JD Edwards EnterpriseOne Tools System Administration Guide](#) .
2. Set up companies, fiscal date patterns, and business units.  
See ["Setting Up Organizations" in the JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide](#) .
3. Set up next numbers.  
See ["Setting Up Next Numbers" in the JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide](#) .
4. Set up accounts and the chart of accounts.  
See ["Creating the Chart of Accounts" in the JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide](#) .
5. Set up the General Accounting constants.  
See ["Setting Up Constants for General Accounting" in the JD Edwards EnterpriseOne Applications General Accounting Implementation Guide](#) .
6. Set up multicurrency processing, including currency codes and exchange rates.  
See ["Setting Up General Accounting for Multicurrency Processing" in the JD Edwards EnterpriseOne Applications Multicurrency Processing Implementation Guide](#) .  
See ["Setting Up Exchange Rates" in the JD Edwards EnterpriseOne Applications Multicurrency Processing Implementation Guide](#) .
7. Set up ledger type rules.  
See ["Setting Up Ledger Type Rules for General Accounting" in the JD Edwards EnterpriseOne Applications General Accounting Implementation Guide](#) .

**8.** Enter address book records.

See *"Entering Address Book Records" in the JD Edwards EnterpriseOne Applications Address Book Implementation Guide* .

**9.** Set up Job Cost specific constants, next numbers, ledger types, and user-defined codes.

See *Setting Up the Job Cost System*.

**10.** Set up jobs.

See *Setting Up Jobs*.

**11.** Set up cost code structures.

See *Setting Up Cost Code Structures*.

To use Project Status Inquiry, you also set up specific information in these JD Edwards EnterpriseOne systems:

- Contract and Service Billing
- Advanced Contract Billing

See *Understanding Setup for Project Status Inquiry (Release 9.2 Update)*.

## Business Interface Integration Objects

A business interface is a set of components that implementation teams can use to create an integration between JD Edwards EnterpriseOne and an external system. Business interfaces can include one or more of these business interface components:

- Business Services
- Real-Time Events
- Batch Import and Export Programs

For additional information about business interfaces, and the business objects available for this product area, see these topics in the *JD Edwards EnterpriseOne Applications Business Interface Reference Guide*:

- *Business Interfaces Overview*
- *Job*



# 2 Setting Up the Job Cost System

## Understanding Job Cost Setup Requirements

Before you use JD Edwards EnterpriseOne Job Cost, you should define information that will customize the system to your business needs. The system uses the information that you define to work with the jobs. This table lists the setup tasks associated with each feature:

Feature	Setup Task
Job Cost constants	<p>Set up Job Cost constants to determine whether the system:</p> <ul style="list-style-type: none"> <li>• Calculates projected final costs and unit quantities.</li> <li>• Maintains an audit trail of changes to projected final cost and unit quantities.</li> <li>• Maintains an audit trail of changes to budget information that relates to methods of computation A and R.</li> <li>• Automatically relieves open commitments when you post accounts payable vouchers to the Account Ledger table (F0911) using JD Edwards EnterpriseOne Procurement or JD Edwards EnterpriseOne Subcontract Management.</li> </ul>
AAIs	Set up AAIs to define the integration between JD Edwards EnterpriseOne Job Cost and JD Edwards EnterpriseOne General Accounting.
RPO AAIs	Set up revenue performance obligation (RPO) AAIs to define the integration between JD Edwards EnterpriseOne Job Cost and JD Edwards EnterpriseOne General Accounting when working with revenue performance obligations
Next numbers	Use next numbers to assign numbers to items that must have unique numbers, such as draw reports. The Next Numbers program (P0002) determines how these numbers are assigned.
Draw next numbers	Use the draw next numbers feature to associate jobs with a draw next number. You specify the draw number for these jobs.
UDCs	<p>Set up UDCs to customize the system to your company's specific business needs. You can set up a variety of UDCs, including codes for:</p> <ul style="list-style-type: none"> <li>• Job categories</li> <li>• Ledger types</li> <li>• Account categories</li> <li>• Units of measure</li> <li>• Projected final business unit types</li> <li>• Contract types</li> <li>• Cost code master chart types</li> <li>• Chart type edit fields</li> </ul>

Feature	Setup Task
	<ul style="list-style-type: none"> <li>Inquiry ledger types</li> <li>Profit recognition entries</li> </ul>
Ledger type master	Job cost ledgers roll amounts forward to the next fiscal year when you perform the annual close. You can also set up the revised budget ledger types and the ledger types that you want to summarize and purge.
Chart types	Chart types and model jobs create standard cost code structure information that you can copy into the jobs and then modify for each job.

**Note:**

- Setting Up Supplemental Data for Jobs.*

## Understanding UDCs for Job Cost

You can customize many of the fields in JD Edwards EnterpriseOne Job Cost by setting up user defined codes to meet the needs of the business environment. You identify user defined codes by the system code and the user defined code list. For example, the represents system 51 (Job Cost) and user defined code list TO (chart type).

The system stores UDCs in tables related to a specific system and code type. These tables determine what codes are valid for the individual fields in the system. If you enter a code that is not valid for a field, an error appears. For example, you can only enter codes in the Business Unit Type field that exist in the table for System 00 and code type ME. The system stores the tables for all of the user defined codes in the User Defined Codes table (F0005).

### Business Unit Types (Job Types) (00/MC)

Use business unit types to combine similar business unit type codes. In JD Edwards EnterpriseOne Job Cost, business unit type is also called job type. JD Edwards EnterpriseOne Job Cost uses both terms interchangeably. In JD Edwards EnterpriseOne Job Cost, you use job type codes to perform projected finals. If you want to project finals, the business unit type (job type code) must be the same code that you assign to the projected final business unit type (51/PF).

### Business Unit Category Codes (00/01 through 00/30)

Use business unit category codes to identify different groups of jobs for reporting purposes.

You can define up to 30 different category code types, including the 10 menu selections for job category codes. For code types 01 through 20, the codes are three characters long. For code types 21 through 30, the codes are 10 characters.

You can assign job category codes to a job from either the Job Category Code Revisions form or the Job Revisions by Company form. The system stores these codes in the Business Unit Master table (F0006). All the systems that use this table share the same business unit category codes.



If you use JD Edwards EnterpriseOne Service Billing and JD Edwards EnterpriseOne Contract Billing, reserve codes 11 and 12 for cost plus billing.

## Account Category Codes (09/01 through 09/23)

Use account category codes to identify different groups of accounts for reporting purposes. You also use account category codes to affect the sequence of the accounts on forms and reports.

You can define up to 23 different code types, including the four menu selections for account category codes. For code types 01 through 20, the codes are three characters. For code types 21 through 23, the codes are 10 characters.

Use these methods to assign the category codes to an account:

- Assign codes 01 through 08 on account related forms, such as Chart Type Setup, Original Budget, and so on.
- Assign codes 01 through 20 on the Account Category Codes form, which you access from the Revise Single Account form in the JD Edwards EnterpriseOne General Accounting system.
- Assign codes 21 through 23 on the Cost Code Schedule form. These codes can be used with the accounts in a secondary chart of accounts.
- Assign codes 01 through 03 to accounts for alternate sequences.

The system stores these codes in the Account Master table (F0901). All the systems that use this table share the same account category codes.

## Units of Measure (00/UM)

Use units of measure codes to identify the different types of units related to the accounts. The codes are two characters. For example, you can define *CF* for cubic feet, *CY* for cubic yards, *SF* for square feet, and so on. The system assigns unit of measure to an account from account related forms, such as Chart Type Setup, Original Budget/Account Master Sequence, and so on.

## Contract Type (51/CT)

Use these codes to identify the type of contract to which a job is related. You only define contract type codes if you use Service Billing. The codes are four characters, and are for information and reporting purposes only.

You assign the contract type to a job on the Job Master Revisions form.

Code FF relates to fixed fee or fixed price contracts.

## Commitment Document Types (40/CT)

Use these codes to identify document types for purchasing (for example, OP and OS). You should use commitment document types if you want to update or track commitments in the PA and PU ledgers, which are stored in the Account Balances table (F0902).

## Projected Final Business Unit Types (51/PF)

Use these codes to identify the jobs, by job type, for which you want to project final amounts (ledger type HA) and unit quantities (ledger type HU). The code is the same as the business unit type that you assign to a job on the Job Master Revisions form or the Job Revisions by Company form. If you do not set up the job type in UDC 51/PF, the system cannot create project final values for the jobs to which that job type is assigned. The job type that you assign as a code in UDC 51/PF must also exist in UDC 00/MC.

## Cost Code Master Chart Type (51/TC)

Use these codes to identify a model chart of accounts for a type of job or a standard range of cost codes within a job.

The codes are three characters. For example, you can define *RAB* for roads and bridges, *RET* for retail stores, and so on. A blank chart type usually relates to the most commonly used model.

You set up the model related to the chart type on the Chart Type Setup form. A model chart of accounts is optional. You can have one model job for each job type. We recommend that the job name be the same as the job type, for example:

- Job Name = JB
- Model Job = M
- Job Type = JB

## Chart Type Edit Field (51/ED)

Use these codes to identify the fields for the accounts in a job that you want the system to verify against the cost code structure that is set up for the chart type. The codes help maintain uniformity within jobs related to a given chart type.

If a job and chart type share a common account (cost code and cost type), this UDC table ensures that the values agree for the specified fields. The code can be up to six characters. Use the data item name, which is the alias, for the field in the Chart Type Master table (F5109). For example, use GJERC for the equipment rate code, GJPEC for the posting edit code, GJUM for the unit of measure, and so on.

If you want the system to validate that the level of detail for the cost code is the same as the level of detail for the job, you must define data item GJLDA (level of detail) in the UDC table. Specify the chart type to compare the processing options for the Budget Original program (P510121).

## Formula Descriptions (51/FM)

The codes in this UDC table are hard-coded to correspond to the formulas that appear when you define inquiry columns for the Job Status Inquiry User Defined Columns program (P512000). Do not add or revise the codes in this table. Although the codes relate specifically to amounts, the system displays corresponding formulas for units and units at the header level when you define columns.

- Formulas for amounts are set up using codes 1 through 10, and 61.

- Corresponding formulas for units use codes 20 through 30.
- Corresponding formulas for units at the header level use codes 40 through 50.

See *Inquiring on Job Information*.

## Inquiry Ledger Types (51/IL)

Use inquiry ledger types to identify any additional ledgers from which the system can retrieve amounts or unit quantities for the Job Status Inquiry User Defined Columns program (P512000).

- For amounts, the valid codes are 11 through 20 and 70 through 79.
- For unit quantities, the valid codes are 31 through 40 and 80 through 89.
- For unit quantities at the header account level, the valid codes are 51 through 60 and 90 through 99.

The first two characters of the Description 02 field must specify the amount ledger type. The third and fourth characters of the field must specify the corresponding unit ledger type, if one exists.

The ledger types must be in uppercase.

The Special Handling field should contain one of the values:

- Blank: Non-budget ledger (period buckets only)
- **1**: Budget ledger (period buckets and BORG)
- **2**: BORG field retrieval (original budget only)

When you complete the Description 01, Description 02, and Special Handling fields for the code, the system automatically displays it in the formula list that you use to define inquiry columns.

## Profit Recognition IS Entry (51/IS)

If you use the Create Journal Entries program for profit recognition, the system uses locates the offset account to use for the work in progress (WIP) account by using the AAI item IS. If you want to use multiple offset accounts, you can set up the IS AAI by cost type (for example, IS1340). The system uses the account associated with IS1340 for all journal entries that it creates for that account. If, however, you want to differentiate offset accounts by job type, you can do so by setting up codes in UDC 51/IS. When you set up UDC 51/IS, you specify a code for the job type and a user defined AAI in the Description 02 field. You can set up additional codes for job type/cost type combinations, as required.

When you run the Create Journal Entries program, the system uses this hierarchy to locate the AAI that it uses to retrieve the offset account:

1. The system verifies whether a code for the job type is set up in UDC 51/IS, for example JB.
2. If the code is set up, the system searches for another code that is set up by job type and cost type, for example JB1340.
3. If the system locates a code for the job type/cost type combination, it retrieves the AAI from the Description 02 field, the account from the AAI, and uses it in the journal entry.
4. If the system does not locate a code in UDC 51/IS for JB1340, it uses the AAI associated with code JB.
5. If a code is not set up for JB, the system uses the AAI item ISxxxx, where xxxx is equal to the cost type.
6. If the system cannot locate AAI item ISxxxx, it uses AAI item IS.

This table shows an example of how to set up codes and AAIs in UDC 51/IS:

Code	Description 01	Description 02
JB  The system requires that you set up a code for the job type only.	Construction job.	JB00  The system uses the account associated with AAI JB00.
JB1340	JB1340	JB1340  The system uses the account associated with AAI JB1340.
JB1360	JB1360	JB1360  The system uses the account associated with AAI JB1360.
JB1380	JB1380	JB1380  The system uses the account associated with AAI JB1380.

**Note:** You do not have to set up UDC 51/IS if the IS AAI are specific enough for the entries on the income statement.

## Setting Up Job Cost Constants

This section provides an overview of the JD Edwards EnterpriseOne Job Cost constants and discusses how to set up the constants for JD Edwards EnterpriseOne Job Cost.

### Understanding Job Cost Constants

You set up JD Edwards EnterpriseOne Job Cost constants for a company to define whether the system:

- Calculates projected final costs and unit quantities.
- Maintains an audit trail of changes to projected final cost and unit quantities.
- Maintains an audit trail of changes to budget information related to methods of computation A and R.
- Automatically relieves open commitments when you post accounts payable vouchers to the Account Ledger table (F0911) using JD Edwards EnterpriseOne Procurement or Subcontract.

Projected final costs and unit quantities are an estimate of the total cost and unit quantities required for the completion of a job. If you set up the system to create projected final information, it estimates the final costs and unit quantities for each account based on:

- The percentage of completion of the account.
- The field progress values related to the account.
- The actual costs against the account.
- The budgeted and committed values.

- The method of computation that you select when you calculate job progress.

You can use the projection audit trail to track changes to projected costs and unit quantities. You use budget audit trails to track changes to budgeted costs and unit quantities in the IA and IU ledgers.

You can set up the system to automatically reduce open commitments by the amount of payments posted against the accounts.

You can view commitment information as total commitment amounts or as open commitment amounts. Total commitment amounts are the sum of all open commitment amounts and all actual commitment amounts. Open commitment amounts are the sum of committed costs only.

JD Edwards EnterpriseOne Job Cost shares its constants with JD Edwards EnterpriseOne Subcontract Management and JD Edwards EnterpriseOne Procurement. You should work with the system administrators of both of these systems to ensure that the constants are set up the same way. You define JD Edwards EnterpriseOne Job Cost constants and JD Edwards EnterpriseOne Subcontract Management constants on the same form, which updates the Job Cost Company Constants table (F0026).

You must set up the system constants for company 00000. Doing so provides default constants for companies that do not have specific constants defined for them. To save time, you should set up the default company constants as the constants most commonly used by companies on the system. Set up company specific constants for exceptions to the default values.

**Note:** To use the commitment relief functionality, you must select the Commitment Relief check-box for Company 00000 in the Job Cost Constants form and also ensure that the company for which you want to relieve commitments is used for transactions.

**Note:** To create projected final amounts and unit quantities for the jobs in a company, you must select the Job Cost Projections option and define the types of business units (UDC 51/PF) for which you calculate projections.

## Forms Used to Set Up Job Cost Constants

Form Name	FormID	Navigation	Usage
Work with Job Cost Constants	W0026B	Job Cost Setup (G5141), Job Cost Constants	Review and select Job Cost constant records.
Job Cost Constants	W0026A	Click Add on the Work with Job Cost Constants form.	Specify whether to use projects or encumbrances.

## Setting Up Job Cost Constants

Access the Job Cost Constants form.

### Job Cost Projections

Select this check box to specify that the system updates and saves projected final amounts and quantities (ledger types HA and HU, respectively) in the Account Balances table (F0902).

**Projection Audit Trail**

Select this check box to create an audit trail (F0911 records) for changes to the job cost projections (ledger types HA and HU).

**Budget Audit Trail**

Select this check box to create audit trail records (F0911) for changes to a budget, which are kept in ledger types IA and IU. These audit trail records are stored in the Ledger Type Master File (F0025) table.

This constant relates only to methods of computation A and R.

**Commitment Relief**

Select this check box to automatically relieve open commitments when you post accounts payable vouchers, such as process payment vouchers, to the general ledger.

These vouchers are related to non inventory purchase orders and contract progress payments.

## Setting Up AAIs for Job Cost

AAIs define the link between the JD Edwards EnterpriseOne Job Cost, JD Edwards EnterpriseOne Subcontract Management, and JD Edwards EnterpriseOne General Accounting systems. Before defining new AAIs, you should first review the AAIs in the system to ensure that the AAIs that you want to include are not already defined.

If you run the Profit Recognition process at the job or project level for specified jobs, the system uses the AAIs listed in this section. If you run the Profit Recognition process at the revenue performance obligation (RPO) level for specified jobs, the system uses RPO AAIs. Revenue Performance Obligations are used when you have more than one performance obligation within a single job for which you will need to recognize revenue.

See *Revenue Performance Obligation AAIs*

The sequence numbers for AAIs related to JD Edwards EnterpriseOne Job Cost begin with 51.

## Profit Recognition AAIs

Profit recognition AAIs specify the accounts that the system uses when it creates journal entries for profit recognition. This table lists profit recognition AAI items and describes how they are used:

AAI Item	Description
BS	<p>The offset (contra) account that the system uses when work-in-progress (WIP) accounts are transferred to the income statement. The system posts offset amounts to this contra asset account.</p> <p>You can summarize the offset amounts into a single balance sheet account using AAI item BS, or create an offset by cost type using AAI item BSxxxx, where xxxx is equal to the cost type. For example, if you set up BS1344, the system uses the account associated with the AAI as the offset for accounts with cost type 1344. The system automatically uses AAI item BS when you do not specify a cost type in the item number.</p> <p>The system does not require this AAI if you set up jobs on the income statement. However, for jobs on the balance sheet, the BS AAI must at least be defined for the default company 00000.</p>

AAI Item	Description
IS	<p>The account for revenue and cost of sales reported on the income statement. The system creates entries for costs and billings when it relieves WIP amounts, then uses this AAI to transfer those entries from the balance sheet to the income statement.</p> <p>You can summarize the offset amounts into a single balance sheet account using AAI item IS, or create an offset by cost type using AAI item ISxxxx, where xxxx is equal to the cost type. For example, if you set up IS1344, the system uses the account associated with the AAI as the offset for accounts with cost type 1344. The system automatically uses AAI item IS when you do not specify a cost type in the item number.</p> <p>The system does not require this AAI if you set up jobs on the income statement.</p>
JCBE	<p>The account for an overbilling. An overbilling is a billing in excess of costs and estimated earnings. If BSLOSS is not set up, you can also use this account for the credit offset to JCLOSS.</p> <p>This account is generally a liability account. The system reverses the amounts monthly.</p>
JCCE	<p>The account for an underbilling. An underbilling is a cost or estimated earning in excess of a billing.</p> <p>This account is generally an asset account. The system reverses the amounts monthly.</p>
JCBOUA	<p>The account for adjustments to the income statement related to the cost of sales. The system posts over and under entries to this account when you base the percentage of completion on billings.</p> <p>The account is the offset for entries posted to the accounts related to JCBE and JCCE. The system reverses the amount monthly.</p>
JCCOUA	<p>The account for adjustments to the income statement related to revenue. The system posts profit and loss entries to this account when you base the percentage of completion on cost.</p> <p>The account is the offset for entries posted to the accounts related to JCBE and JCCE. The system reverses the amount monthly.</p>
JCLOSS	<p>The account for entries related to a provision for loss. The system creates such an entry when a job has a projected final loss. The system reverses the amount monthly.</p>
BSLOSS	<p>The offset (contra) account for the provision for loss. It is the offset for entries posted to the account related to JCLOSS. The system reverses the amount monthly.</p> <p>This AAI is optional. If it is not set up, the system uses JCCE.</p>
JCAPC	<p>The account for accrued cost on the job account. The system automatically reverses the amounts in the next month.</p>
JCSMJ	<p>The account for deferred cost on the job account. You typically use this AAI for stored materials. Any amounts are automatically reversed in the next month.</p>
JCAPO	<p>The offset (contra) account for accrued costs. It is the offset for entries posted to the account related to JCAPC.</p>
JCSMI	<p>The offset (contra) account for deferred costs. It is the offset for entries posted to the account related to JCSMJ.</p>

AAI Item	Description
JCPFC	The account for adjustments to the projected final cost. This AAI requires an object account. The subsidiary is optional, and the system does not use the business unit.
JCPFP	The account for adjustments to the projected final profit. You typically set up this AAI only if the company posts profit to an account and maintains balanced budgetary ledger types.  This AAI requires an object account. The subsidiary is optional, and the system does not use the business unit.
JCPFR	The account for adjustments to the projected final revenue. This AAI requires an object account. The subsidiary is optional, and the system does not use the business unit.
JCCAx - JCCAx+1	The beginning and ending object accounts for a range of revenue accounts. Profit recognition can include up to 49 ranges, from JCCA01 to JCCA02 and from JCCA97 to JCCA98.
JCSTx - JCSTx+1	The beginning and ending object accounts for a range of cost accounts. Profit recognition can include up to 49 ranges, from JCST01 to JCST02 and from JCST97 to JCST98.

## Field Progress Protection AAls

Field progress protection AAls protect the actual units in specific accounts from updates in related job progress entry programs. These AAls prevent entering quantities when the actual quantities come from other JD Edwards EnterpriseOne systems.

AAI Item	Description
JCxx - JCxx+1	The beginning and ending object accounts for the range of labor accounts. Field progress protection can include the five ranges from JC01 to JC02 and from JC09 to JC10.  This AAI requires the object account. The subsidiary is optional, and the system does not use the business unit.

**Note:** You should set up an AAI range of cost types for any actual quantities that are automatically posted from another JD Edwards EnterpriseOne system.

## Draw Reporting Selection AAls

Draw reporting selection AAls specify the eligible construction cost accounts for draw reporting. The system does not process any other accounts for draw reporting.



AAI Item	Description
DWxx - DWxx+1	<p>The beginning and ending object accounts for two ranges of eligible accounts. Draw reporting selection can include any ranges from DW01 to DW02 and from DW49 to DW50.</p> <p>This AAI requires an object account. The subsidiary is optional, and the system does not use the business unit.</p>

## Job Cost Discount AAls

When you use the Job Cost system along with voucher that carry discounts, you may need to set up additional Job Cost discount AAls (PKJ and PKJL). In the discount process, the system searches first for the Job Cost discount AAls (PKJ and PKJL). The Job Cost discount AAls direct the programs to post the discount to individual jobs, by using the Business Unit from the voucher. If you have not set up the Job Cost AAls, the system uses the PKD and PKL AAls.

You can set up the PKJ and PKJL AAls for company 00000 with a blank Business Unit. The system sends the gain or loss to the correct business unit that is on the voucher.

### Note:

- *“Setting Up Automatic Accounting Instructions” in the JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide .*

## Revenue Performance Obligation AAls

If you use revenue performance obligations (RPOs) to track costs and revenue associated with specific tasks within a job, you must set up RPO AAls. To learn more about the RPO AAI setup, review the following section:

See *Setting Up Revenue Performance Obligation AAls*

## Setting Up Ledger Types for Job Cost

This section provides an overview of ledger types for Job Cost and discusses how to set up ledger types for Job Cost.

### Understanding Ledger Types for Job Cost

JD Edwards EnterpriseOne Job Cost uses different types of ledgers to track units, maintain budgets, and so on. You must set up financial rules for each of the ledgers. The system identifies a ledger type as a JD Edwards EnterpriseOne Job Cost ledger type because:

- The Roll Original Budget to Next Year check box is selected.
- The Revised Budget Ledger check box, which you access through Job Cost Rules, is selected.

You can also specify that the amounts and units for the ledger type are included as part of the revised budget ledger by selecting the Summarize Ledger Types check box, which you also access through Job Cost Rules. Summarization enables you to review the sum of all revised ledger on a form or on a report, as well as enables you to summarize any journal entries before purging.

For accurate calculations for profit recognition and projected finals, the currency code for all JD Edwards EnterpriseOne Job Cost ledgers must match the currency of the company to which the job belongs in the Ledger Type Master File table (F0025).

If you set up an amount ledger type that corresponds to a unit ledger type, both ledger types must have the same first character. Additionally, the second character in the unit ledger type must be U. For example, SA (amount ledger type) and SU (unit ledger type).

The data used by JD Edwards EnterpriseOne Job Cost is stored in the Account Balances table (F0902) by ledger type. The ledgers in the Account Ledger table (F0911) can contain both amounts and quantities that support the information in the Account Balances table, including:

- Budget information
- Commitment information
- Actual information
- Field progress information
- Forecasts and estimates
- Projected final information

Before you revise the ledger types for JD Edwards EnterpriseOne Job Cost, you should review the ledger types that are defined for the system. You can then revise the ledger types as necessary.

This table lists and describes the ledger types used by JD Edwards EnterpriseOne Job Cost:

Ledger Types	Description
AA and AU	Actual amounts (AA) and actual units (AU).
JA and JU	Job budgeted amounts (JA) and job budgeted units (JU).
PA and PU	PO/Contract amounts (PA) and PO/Contract units (PU). These ledger types relate to purchase orders and subcontracts.
HA and HU	Projected final amounts (HA) and projected final units (HU).
FA and FU	Field progress amounts (FA) and field progress units (FU). These relate to the difference between the job cost budget and the projected final values.
F%	Percent of job complete. This is used in the job general ledger account to manually update the percent complete of a job.
IA and IU	Job Cost projection budget amounts (IA) and Job Cost projection budget quantity (IU). These relate to methods of computation R (Revenue-Unit Price Contract) and A (Account Budget: Forced), and are maintained by the system.

Ledger Types	Description
RA	Remaining unit rate. This relates to method of computation U (Remaining Unit Rate).

**Note:** Additional tasks are involved in setting up and using additional ledger types in JD Edwards EnterpriseOne Job Cost.

See *Setting Up Ledger Types for Job Cost*.

See *Inquiring on Job Information*.

## Performing the Tasks to Set Up New Job Cost Ledgers

To use additional ledgers to track job cost budgets and review job progress, you must perform specific tasks in sequential order. Because it is easy to neglect a simple setup task, these tasks are listed in the order in which you should perform them to successfully set up and use additional ledgers in JD Edwards EnterpriseOne Job Cost:

1. Set up the amount and unit ledger types as UDC codes in 09/LT. Amount and unit ledger types share the same first initial; therefore, if you set up ledger type QA, you must use ledger type QU for units.
2. Set up the ledger type rules, including the job cost rules, for each ledger type separately. Although the form has separate fields for Ledger Type and Units Ledger Type, you cannot set them both up simultaneously on one form. For example, you set up ledger type QA, and then you set up ledger type QU.

These check boxes must be selected to distinguish the ledger types as JD Edwards EnterpriseOne Job Cost:

- o Roll Original Budget to Next Year on the Ledger Type Rules Setup form.
  - o Revise Budget Ledger on the Job Cost Ledger Type Rules form.
3. After you set up the ledger type rules for both the amount and units ledger, you must add the units ledger type in the Units Ledger Type field of the amount ledger type. For example, you must select the record for the QA ledger and add QU in the Units Ledger Type field.
  4. Set up the ledger types in UDC 51/IL, so that you can set up user defined columns for Job Status Inquiry User Defined Columns (P512000). The system automatically adds formulas for the numeric values that you use for the ledger types that you specify in the Description 02 field of the UDC. In addition to the ledger type, you must specify a value in the Special Handling field:
    - o If you enter **1**, the system retrieves the values in the net amount posting fields from the Account Balances table (F0902).
    - o If you enter **2**, the system retrieves the value in the **BORG** field from table F0902.
  5. For example, if you select UDC 13 for the QA/QU ledger, you must enter **QAQU** in the Description 02 field of UDC 13 with a special handling code of 1. When you do this, the system adds formula 13 for the budget ledger amount, formula 33 for the budget units ledger, and formula 43 for the header units. The units and header units formulas are hard coded based on the UDC code that you select in 51/IL.
  6. Set up the column formula for each ledger type using the Define Inquiry Columns program (P51921).
  7. Set up the column on the Job Status Inquiry form.
  8. Set up new versions of the Original Budget (P510121) and Budget Revisions (P510171) programs and specify the new budget ledger type (for amounts) in the Budget Amount Ledger Type processing option.
  9. Add the new program versions to the menu, for example, Original Budget QA.

**Note:**

- *"Setting Up Ledger Types for General Accounting" in the JD Edwards EnterpriseOne Applications General Accounting Implementation Guide .*
- *"Understanding Summarizations, Deletions and Purges" in the JD Edwards EnterpriseOne Applications General Accounting Implementation Guide .*

## Prerequisite

Before you complete the task in this section, you must set up the ledger type that you want to use for JD Edwards EnterpriseOne Job Cost in UDC 09/LT.

## Forms Used to Set Up Ledger Types for Job Cost

Form Name	FormID	Navigation	Usage
Work with Ledger Types	W0025FQ	Job Cost Setup (G5141), Ledger Type Master Setup	Review and select ledger type records.
Job Cost Ledger Type Rules	W0025FS	Select a ledger type on the Work with Ledger Types form, and then select Job Cost Rules from the Row menu.	Specify rules for Job Cost ledger types.

## Setting Up Ledger Types for Job Cost

Access the Job Cost Ledger Type Rules form.

### Units Ledger Type

Enter the units ledger that corresponds to the amount ledger. Assign the same first character to both the amount and unit ledgers, and assign U as the second character of the units ledger.

**Note:** If you do not specify a units ledger type for the cash basis amount ledger type (AX), the system uses ZU.

### Roll Original Budget to Next Year

Select the check box to roll the original budget from the current year into the original budget for the next year when you run the Annual Close program (R098201).

### Summarize Ledger Types

Select this check box to specify that transactions entered for this ledger type are eligible for summarization using the Summarize Transactions program (R09811).

### Revise Budget Ledger

Select this check box to specify that the ledger type is a Job Cost ledger type and that budget amounts for this ledger can be revised.

## Setting Up Next Numbers

This section provides an overview of Job Cost next numbers and discusses how to set up draw next numbers.

### Understanding Job Cost Next Numbers

You set up standard next numbers for JD Edwards EnterpriseOne Job Cost by system code. The system code for JD Edwards EnterpriseOne Job Cost is 51. The standard next numbers for JD Edwards EnterpriseOne Job Cost utilize only lines three and four (Job Draws and Profit Recognition, respectively). The system uses these JD Edwards EnterpriseOne Job Cost next numbers to:

- Assign draw numbers.
- Link profit recognition tables.

You can assign next numbers by company and fiscal year for selected documents.

See *"Setting Up Next Numbers" in the JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide* .

**Note:** Next numbers are central to JD Edwards EnterpriseOne systems. You must be thoroughly familiar with next numbers before you change them.

### Draw Next Numbers

You use the Draw Next Number program (P51002) to associate a job or multiple jobs to a draw number. By setting a processing option when you generate the draw information, you can direct the system to assign the next number from either the Job Cost Draws Next Number table (F51002) or the standard next number table (F0002). If you direct the system to use a draw next number, but you have not added the job on the next numbers table, the Draw Generation program automatically adds the job with a Draw Number 1.

### Forms Used to Set Up Job Cost Next Numbers

Form Name	FormID	Navigation	Usage
Work with Next Numbers	W0002A	Job Cost Setup (G5141), Job Cost Next Numbers	Search for System 51 next numbers.
Set Up Next Numbers by System	W0002C	Select the next number table for system 51.	Set up next numbers.

Form Name	FormID	Navigation	Usage
Job Cost Draw Next Numbers	W51002C	Job Cost Setup (G5141), Job Cost Draw Next Numbers	Associate a job with a specific draw next number.

## Setting Up Draw Next Numbers

Access the Job Cost Draw Next Numbers form.

### Next Number Range 1

Enter the beginning next number to use when the system assigns the draw number. The system assigns the draw number you specify only to the job entered in the Job processing option. If the job is not set up, the system adds it to the table and assigns **1** as the next number.

# 3 Setting Up Jobs

## Understanding Jobs

A job is any activity for which you manage costs and track progress. Any activity—from publishing a book to building a skyscraper—can be considered a job.

Depending on the business needs, you might divide a large project into a series of smaller jobs, based on subprojects within the larger job. In this case, you should consider the overall job as the project and each of the subprojects as a separate job.

For example:

- You are contracted to build a 10-story office building. You will manage costs and track progress on a floor-by-floor basis. In this case, the office building is the project and each floor is a separate job within the project.
- You are contracted to build 30 houses in a subdivision. You will manage costs and track progress on a house-by-house basis. In this case, the subdivision is the project and each house is a separate job within the project.
- You are contracted to build a regional airport. You will manage the costs and track progress on a job-by-job basis. In this case, the airport is the project and each subproject, such as the main terminal building, the access road, and each concourse, is a separate job within the project.

## Job Types

JD Edwards EnterpriseOne Job Cost shares some data entry fields with JD Edwards EnterpriseOne General Accounting. Although the information for these fields is the same, the two systems use different field names: JD Edwards EnterpriseOne Job Cost uses the term *job type* and JD Edwards EnterpriseOne General Accounting uses the term *business unit type*. Because JD Edwards EnterpriseOne Job Cost shares the data in the Job Type field with JD Edwards EnterpriseOne General Accounting, you might see JD Edwards EnterpriseOne General Accounting terminology on some of the JD Edwards EnterpriseOne Job Cost forms. Job type information is used at the business unit level to group similar business units. JD Edwards EnterpriseOne Job Cost uses the job type to report projected finals, and job type is a user-defined code (UDC) that you set up. When you set up a job, you can set a processing option to designate a specific job type as the default code.

**Note:** If you set up new job types, you must also set up corresponding user-defined codes in UDC table (51/PF) to generate projected finals for the job type.

## Setting Up Job Master Records

This section provides overviews of job master records and job master records and data relationships and discusses how to:

- Set processing options for Job Cost Master Revisions (P51006).
- Set up a job master record.

## Understanding Job Master Records

Job master records contain information that is specific to a job. You must create a job master record for each project and each job that will be managed by the JD Edwards EnterpriseOne Job Cost system. To create a job master record, you identify information such as the job number, the job description, and the project, if any, of the overall job. The job master record also includes tracking and reporting information such as equipment information, tax information, job dates, and payroll information.

The job master record provides a link between JD Edwards EnterpriseOne Job Cost and JD Edwards EnterpriseOne General Accounting. This link enables both systems to manage costs, budgets, and other financial information associated with the projects and jobs. The job master record also establishes a link between the projects and the related jobs. Not only can you track each job separately, you can also consolidate account information across jobs up to the level of the entire project. This information may include budgets, costs, projections, and so on. You can then review and analyze the information to determine the overall status of the project. You link a job with a project by completing the Project field in the job master record. To establish a project hierarchy, enter the job master record for a project and then enter the job master records for each job associated with the project. You must enter project information first.

Use the Job Master Revisions form to create a single job master record, and use the Job Revisions by Company form to create multiple job master records for the same company. To create a job master record, you must complete the Job Number, Description, and Company fields. You can select to enter other job specific information when you create the job master record, or you can add this information later.

### Note:

You must use JD Edwards EnterpriseOne Job Cost, *not* JD Edwards EnterpriseOne General Accounting, to create the job master records to ensure that:

- The system creates a related record in the Extended Job Master table (F5108).
- The system creates a general ledger header account for the job in the Account Master table (F0901). Header accounts enable you to adjust the percentage of completion for a specific job when you recognize profit.
- The system stores job master information in the Business Unit Master table (F0006). You can direct the system to automatically add a specified business unit type, such as JB, to the record.
- The system updates the Establishment Constant File table (F069056) if you are using JD Edwards EnterpriseOne Payroll.

## Category Codes

Business unit category codes are user-defined codes that you assign to projects and jobs for reporting purposes. You can define up to 50 category codes to meet the company's information needs. Category codes 1 through 20 enable you to assign a three-character code, and category codes 21 through 50 enable you to assign a 10-character code. More than one JD Edwards EnterpriseOne system uses system 00 category codes. The system stores business unit category codes in the Business Unit Master table (F0006). You can also assign up to five address book numbers.

## Job Dates and Other Job-Related Information

For each project and job, you can enter planned start and end dates, and actual start and end dates when this information becomes available. You can also enter other date information that is important for the reporting purposes.



When you create a schedule for the job, you can enter planned and actual start and end dates initially or at a later date. The system stores job-related date information in the Extended Job Master table (F5108).

For each job, you can enter equipment rate information. You must first set up a user-defined code that indicates the billing rate for the equipment. The system stores equipment rate information in the Business Unit Master table (F0006). Equipment/Plant Management uses the information to determine the correct rate to charge the job for equipment costs.

You can enter tax information about the job. You can also set up a user-defined code to control how tax is assessed and distributed to the general ledger revenue and expense accounts for the job.

If you use JD Edwards EnterpriseOne Payroll, you can enter payroll information for the job. You can indicate whether the job has a burden rate and then set up that burden rate. Burden is defined as the direct expense that a company incurs for an employee in addition to wages. Some examples of direct expenses that the company pays are company and payroll taxes, health insurance, and company-paid benefits. You can specify whether the job should have information about it included in payroll reports. You can also identify pay rate tax rules that might apply to the job. The system stores payroll information for the job in the Establishment Constant File table (F069056).

If you do not use JD Edwards EnterpriseOne Payroll, you can set a processing option to hide payroll fields on the job master forms.

## Extended Job Information (Release 9.2 Update)

The system automatically creates an extended job master record when you add a job in the JD Edwards EnterpriseOne Job Cost system.

Use the Extended Job Master form to enter job budget dates and category code definitions for reporting purposes. The category codes that you set up on this form enable you to view the job information by the categories that you define, also known as alternate sequences.

See *Assigning Alternate Sequences*.

Use the Extended Job Master form to control the creation of projected final balances by fiscal year and new account master file records with the associated category code values.

The Extended Job Master form also enables you to control the tracking of projected final amounts/units at the job level in the HA and HU ledgers through the use of the Update Projected Final Ledger Type by Subledger/Subledger Type check box. This check box allows you to manage and recognize revenue during profit recognition when performance obligations are at a subledger level.

**Note:** Use the Projected Final Ledger Type by Subledger/Subledger Type processing option to specify if the system displays the check box on the Extended Job Master form.

If you create a job by copying a model job, the system copies the value of the Update Projected Final Ledger Type by Subledger/Subledger Type from the extended job master record of the model job. The system also copies the value of the check box from a community to a new job while running Lot Start Process in the JD Edwards EnterpriseOne Homebuilder Management system.

The system stores extended job master information in the Extended Job Master table (F5108).

## Deleting a Job Master Record or an Account

If you create a job master record incorrectly, you can delete the job. When you delete a job, the system removes the job number from the Business Unit Master table (F0006), the Account Master table (F0901), and the Extended Job Master

table (F5108). Any other tables, such as the Establishment Constant File table (F069056), that were updated as a result of creating the job will also be updated by JD Edwards EnterpriseOne Job Cost.

**Note:**

If you created a cost code structure for the job and the job has account and budget information, then you must remove the budget and account information before you can delete the job.

When you delete accounts, the system deletes the account records from the F0901 table and also from the Joint Venture Distributable Account table (F09J01) if you use the JD Edwards EnterpriseOne Joint Venture Management system to manage your business.

You can delete an account from a job if no journal entries (F0911 records) have been generated for it. If journal entries exist for the account, you can void the journal entries so that the system no longer uses the account information, but the account record and associated information remain for the JD Edwards EnterpriseOne Job Cost records.

Before you delete a job, you must:

- Delete budget information for the job.  
See *Understanding Original Budgets*.
- Delete account information for the job.

## Understanding Job Master Records and Data Relationships

The Data Relationships tool is a collection of programs that you can use to manage the consistency and quality of data that is entered in the Business Unit Master table (F0006). You can use the tool to define relationships between columns (data items) in the F0006 table.

After you define data relationships for the columns, you define the default destination values that you want to appear for a single basis value when you enter a new job master record. The system automatically applies the data relationships during data entry.

If you define data relationships for job master records that already exist in the F0006 table, you can manually or automatically update the F0006 table with the data relationship rules.

The Data Relationships functionality supports multiple columns in the F0006 table.

See *"Understanding Data Relationships" in the JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide* .

## Prerequisites

Before you set up a job master record:

- Set up the company.
- Set up the address book record of the project management company, if necessary.
- Set up business unit category codes.

- Set up user-defined codes for Equipment Rate (13/TB).
- Set up tax rate areas.

See *"Forms Used to Set Up Tax Rate Areas" in the JD Edwards EnterpriseOne Applications Tax Processing Implementation Guide* .

## Forms Used to Set Up Job Master Records

Form Name	Form ID	Navigation	Usage
Work with Job Master	W51006R	Job & Budget Setup (G511), Job Cost Master Revisions	Review and select job master records.
Job Master Revisions	W51006S	Click Add on the Work with Job Master form.	Enter a single job master record.
Job Revisions by Company	W51006C	Depending on the setting of the Select Button Exits processing option, the Job Revisions by Company form might appear when you select a job master record. Otherwise, select a record and select Job Master Info, Job Revision by Co from the Form menu.	Enter multiple job master records.
Extended Job Master	W51006X	Select a job on the Work with Job Master form and select Job Master Info, Extended Job from the Row menu.	Enter additional information for a job.

## Setting Processing Options for Job Cost Master Revisions (P51006) (Release 9.2 Update)

Because the Job Cost Master Revisions and Job Revisions by Company menu selections represent different versions of the same program (P51006), the processing options are the same.

### Defaults

Use these processing options to define the default values that the system applies when you inquire on or add jobs.

#### 1. Job Type

Specify the default value for the job type or leave this processing option blank to enter the job type when you add a new job.

## 2. Posting Edit Code for Job G/L account

Specify the default posting edit code for Job G/L account. The system assigns a posting edit code of N to the Job G/L account, indicating that no transactions can be posted to the account. If you leave the field blank, the system assigns the blank posting edit code, enabling transactions to be posted to the Job G/L account. Values are:

Blank: The system assigns blank posting edit code to enable transactions to Job G/L account. This is the default.

**1:** The system assigns **N** as the posting edit code to indicate the Job G/L account to which transactions do not post.

## Edits

Use these processing options to specify whether certain fields are required.

### 1. Job Site Address Required

Specify whether the job site address is required.

### 2. Owner Address Required

Specify whether the owner address is required.

### 3. Address Number 1 Required

Specify whether address number 1 is required.

### 4. Address Number 2 Required

Specify whether address number 2 is required.

### 5. Address Number 3 Required

Specify whether address number 3 is required.

### 6. Address Number 4 Required

Specify whether address number 4 is required.

### 7. Address Number 5 Required

Specify whether address number 5 is required.

## Display (Release 9.2 Update)

Use these processing options to set up display options for fields for the Job Cost Master program.

### 1. Company Number Change

Specify if the system can change the company number on a job when the job has associated accounts and if it issues a warning message. Values are:

Blank: The system enables you to change the company number and does not issue a warning message.

**1:** The system enables you to change the company number and issues a warning.

**2:** The system issues an error and does not let you change the company number.

**Note:** If you change the company number, you must run additional programs to update the Account Master and Account Detail records.

See *"Changing the Company Number on a Business Unit" in the JD Edwards EnterpriseOne Applications General Accounting Implementation Guide* .

## 2. Payroll Fields

Specify whether to display the payroll fields on the Job Dates & Other Information form. Values are:

Blank: Display the payroll fields.

**1:** Do not display the payroll fields.

### **3. Projected Final Ledger Type by Subledger/Subledger Type**

Specify whether to display the Update Projected Final Ledger Type by Subledger/Subledger Type check box on the Extended Job Master Revisions form. Values are:

0 or Blank: Display this check box only for Homebuilder jobs that exist in the Community Master (F44H101) and Lot Master (F44H201) tables.

**1:** Display this check box for all jobs.

## Process

Use this processing option to specify whether to create a record in the Payroll Establishment Constants table (F069056) when adding a job.

### **1. Create Establishment Constants**

Specify whether to create a record in the Payroll Establishment Constants table (F069056) when adding a job in the JD Edwards EnterpriseOne Job Cost system. If you enter **1** in this field, the system does not create a record in the F069056 table.

## Versions

Use these processing options to select the application versions to execute. If you leave any of these processing options blank, the system uses version ZJDE0001.

### **1. Original Budget Version (P510121)**

Specify the version of the Original Budget program (P510121) to use when the program is accessed from the Row menu.

### **2. Job Status Inquiry Version (P512000)**

Specify the version of the Job Status Inquiry program (P512000) to use when the program is accessed from the Row menu.

### **3. Budget Revision Version (P510171)**

Specify the version of the Budget Revision (P510171) to use when the program is accessed from the Row menu.

### **4. Job Supplemental Data Version (P00092)**

Specify the version of the Supplemental Data program (P00092) to use when the program is accessed from the Row menu.

### **5. Copy Job to Job Version (P51091)**

Specify the version of the Copy Job to Job (P51091) program to use when the program is accessed from the Row menu.

### **6. Cost Code Schedule Version (P51901)**

Specify the version of the Cost Code Schedule (P51901) program to use when the program is accessed from the Row menu.

### **7. Purchase Orders Version (P4310)**

Specify the version of the Purchase Orders program (P4310) to use when the program is accessed from the Row menu.

### **8. Select button exits**

Specify which application to run when you select a record from the Work with Job Master form. Values are:

Blank or **1:** Job Master Revisions

## 2: Job Revisions by Company

## 3: Original Budget

## 4: Budget Revisions

## 5: Copy Similar Jobs

## 6: Cost Code Schedule

## 7: Update Percent Complete

## 8: Extended Job Master

# Setting Up a Job Master Record

Access the Job Master Revisions form.

If you select the Advanced Contract Billing check box in the Service Billing Constants program (P48091), the system performs these additional tasks when you enter job master records:

- Displays these additional fields on the More Detail tab of this form:
  - Funding Level
  - Invoice Level
  - Contract Level
  - Burden Category
- Performs additional edits to these fields:
  - Business Unit Type
  - Planned End Date and Planned Start Date
  - Related BU

See *"Setting Up Jobs for Advanced Contracts" in the JD Edwards EnterpriseOne Applications Advanced Contract Billing Implementation Guide* .

See *"Setting Up Service Billing Constants for JD Edwards EnterpriseOne Advanced Contract Billing" in the JD Edwards EnterpriseOne Applications Advanced Contract Billing Implementation Guide* .

If you use the data relationships functionality and set up a new job master record, you might notice that the system provides default values for some fields based on certain values that you enter in other fields.

See *"Setting Up Data Relationships" in the JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide* .

## Revise Single Job

### Project Number

Use this business unit within a company to group jobs into a particular project (hierarchy) for reporting purposes. A separate job master record must be created for a project. It can also have accounts to track overhead costs related to the group. The number works in conjunction with the level of detail for business units.

### Type Business Unit

Enter the two-digit code that represents the classification of the business unit or job. For example, enter **CO** to specify a commercial office building. You must enter a valid type from UDC table 00/MC.

**Note:** If you enabled Advanced Contract Billing in the Service Billing Constants program (P48091) and you select a business unit type that is defined in the P48091 program as an advanced contract business unit type, then the system requires that you enter a contract number in the Funding Level field.

See *"Setting Up Service Billing Constants for JD Edwards EnterpriseOne Advanced Contract Billing" in the JD Edwards EnterpriseOne Applications Advanced Contract Billing Implementation Guide*.

### Subledger Inactive

Specify whether a subledger is active for the job. Normally, the subledger is inactive on closed jobs to prevent update errors. Values are:

Blank: Active.

**1:** Inactive. You can inquire and report on subledger information, but you cannot enter or update the subledger with new transactions.

### Model Job

Specify whether the job (business unit) is a model or a consolidated business unit. Values are:

Blank: Not a model.

**M:** Model.

**C:** Consolidated business unit. The system automatically updates the processing option to this value when you generate a consolidation using Refresh Consolidation (R10862).

### Level of Detail

Identifies the relationship of a job with a project, parent job, subordinate jobs, or some other grouping. This designation is different from the level of detail for accounts. Use the rules for assigning level of details:

Values are 2 through 9 from least detailed (2) to most detailed (9). Level 1 is reserved for the company.

A summary level includes the related business units at all levels.

You do not need to use every level of detail. You can skip levels as long as you are consistent.

You can use the level of detail in conjunction with project numbers on both the Job Master Revisions and Job Revisions by Company forms.

The job numbers for projects and jobs within projects must be numbered sequentially for the system to summarize information by level of detail.

**Note:** A better method to summarize information by job might be to use the business unit category codes instead of the level of detail.

### Threshold% Complete (threshold percent complete)

Enter the percentage at which the system projects final values based on the percentage of work that is completed. The system projects final values only when the percent complete for the account is greater than or equal to the threshold percent.

## More Detail

### Job Site Address

Enter the address book number of the physical job site.

### Owner Address

Enter the address book number of the company or individual for which you are performing the job. Typically, this value is the owner's address book number in JD Edwards EnterpriseOne Contract Billing or JD Edwards EnterpriseOne Service Billing.

### Supervisor

Enter the address book number of the job supervisor.

### Contract Type

Enter a value that identifies the type of contract if you use Service Billing.

### State

Enter the code that represents the state in which the job is located.

### Posting Edit

Enter a code that specifies the transactions to post to the general ledger for the job (business unit). Values are:

**Blank:** Post transactions to this business unit.

**K:** Post transactions to this business unit. However, the original budget is locked and change orders are required for making changes to the budget.

**N:** Do not post transactions to this business unit. Use this code for a job that is not started or is closed.

**P:** Do not post transactions this business unit. The job can be purged.

### Related BU (related business unit)

If the Allocation Level field on the contract for this job is set to **Specific Job**, then the system populates this field with the job specified in the Allocation Destination Job field in the contract. If the Allocation Level field is not set to **Specific Job**, then the system populates this field with the number for the job that you are entering.

The Allocation Level and Allocation Destination fields are applicable only to contracts that you enter in the Create/Edit Advanced Contracts program (P52G01M). They are not applicable to contracts that you enter in the Contract Master Details program (P5201).

**Note:** The Related BU field is typically used for advanced contract billing.

See *"Setting Up Job Master Records for Advanced Contracts" in the JD Edwards EnterpriseOne Applications Advanced Contract Billing Implementation Guide*

### Adjustment Only

Select this option to indicate that this job is restricted to adjustment entries only.

## Cat Codes 1–20, Cat Codes 21–40, and 41–50 / AB No

Enter additional information about the job using the fields on these tabs.

## Dates/Other

### Equipment Rate Code

Indicates a billing rate, such as **DY** for daily, **MO** for monthly, and **WK** for weekly. You can set up multiple billing rates for a piece of equipment.



For JD Edwards EnterpriseOne Job Cost, the equipment rate code is the second of three default values used by the Equipment Time Entry program to determine the correct rate to charge the cost of equipment to a job. Enter the default rate code for the job in this field.

If you do not enter the rate code here, you must manually enter it in the Equipment Time Entry program.

#### **Tax Entity-Property Tax**

Enter the address number of the tax authority to which property taxes are paid. The system uses this field at year-end to automatically update the tax address related to equipment and property.

#### **Tax Expl Code-Tax Rate/Area (tax explanation code-tax rate/area)**

Enter the user-defined code (00/EX) to specify the type of tax (tax explanation code), which the system uses to assess and distribute tax amounts to the general ledger revenue and expense accounts. Enter the tax rate area to specify how tax amounts are calculated.

#### **Planned Start Date**

Enter the estimated start date for a project or job in this field. You use this information for reporting purposes.

**Note:** If you have enabled Advanced Contract Billing in the Service Billing Constants program, this field is required. The system uses the planned start date from the contract as the default value, but you can override it. The system generates an error if this date and the Planned End Date do not fall within the period of performance dates specified in the contract.

#### **Actual Start Date**

Enter the actual start date for a project or job in this field. You use this information for reporting purposes.

#### **Planned End Date**

Enter the estimated completion date for a project or job in this field. You use this information for reporting purposes.

**Note:** If you have enabled Advanced Contract Billing in the Service Billing Constants program, this field is required. The system uses the planned end date from the contract as the default value, but you can override it. The system generates an error if this date and the Planned Start Date do not fall within the period of performance dates specified on the contract.

See *"Setting Up Job Master Records for Advanced Contracts" in the JD Edwards EnterpriseOne Applications Advanced Contract Billing Implementation Guide*

#### **Actual End Date**

Enter the actual completion date for a project or job in this field. You use this information for reporting purposes.

#### **Other Date 5 and Other Date 6**

Enter a user-defined date that relates to a project or job in this field. You use this information for reporting purposes.

#### **Labor Load Factor**

Specify whether the labor costs include a flat burden for payroll taxes and benefits. Values are:

Blank or **0**: The flat burden factor is always 1.0000, so the resulting amount for the flat burden is zero.

**1**: The flat burden factor is always greater than or equal to 1.0000, so the labor costs include a flat burden.

#### **Flat Burden Factor**

Enter the multiplier to load direct labor costs with burden. For example, a factor of 1.32 would load every dollar of labor cost with 32 cents worth of burden.

#### **Certified Job**

Specify whether to include information about this job in certified payroll reports used for governmental reporting. Values are:

**Y:** Include job information.

Blank or **N:** Do not include job information.

#### **EEO Code (Y/N)**

Specify whether an Equal Employment Opportunity (EEO) minority report, which is informational only, is required for a business unit. Values are:

**Y:** An EEO report is required.

**N:** An EEO report is not required.

The system stores EEO information in the Employee Master table (F06011).

#### **Tax Area-Payroll**

Enter the tax area. A tax area is a geographic area with common tax rules for rate and distribution. A tax area must include a tax authority such as a state, county, city, and so on. This field is used for payroll tax accounting.

## Extended Job Master (Release 9.2 Update)

#### **Budget Start Century/Fiscal Year**

Enter the century related to either the beginning of the budget or the first general ledger transaction for the job, whichever is earlier. For the year 2010, for example, 20 is the century. When you add a job through JD Edwards EnterpriseOne Job Cost, the current century is automatically assigned.

#### **Budget Thru Century/Fiscal Year**

Enter the century related to either the end of the budget or the last general ledger transaction for the job, whichever is later. For example, for the year 2010, 20 is the century.

#### **Note:**

When you add a job through JD Edwards EnterpriseOne Job Cost, the current century is automatically assigned to these fields.

The combination of the values in the Budget Start Century and Budget Start Fiscal Year fields must be earlier in time than the combination of the values in the Budget Thru Century and Budget Thru Fiscal Year fields.

#### **Update Projected Final Ledger Type by Subledger/Subledger Type**

If you select this check box for a specific job, the system records the subledger/subledger types by job to the Projected Final ledger types.

If you do not select this check box for a specific job, the system does not record the subledger/subledger types by job to Projected Final ledger types.

## Setting Up Supplemental Data for Jobs

After you set up the job master record, you can enter a variety of supplemental information for a job. Supplemental information can include anything from ground conditions to legal considerations that can affect the progress of a job. You can use supplemental information to track, review, and report on the progress of a project or job. You set up and

maintain supplemental information by defining supplemental data types and entering information appropriate for each supplemental data type. You can define as many supplemental data types as you need, for example:

- You review the details *site workwork* item and find that the clearing and grading work is one month behind schedule and 10 percent over budget. You can review the supplemental information related to the job and find information describing the adverse weather conditions that delayed the work. Then, you can adjust the *site workwork* item and any other affected work.
- You review the overall details of all of the jobs in a project and find that concrete is 10 percent under budget. The supplemental information explains that the price of rebar is lower than expected. You can adjust the budget accordingly.

Add data types when you need to categorize data using user-defined codes and when none of the existing user-defined code types are appropriate. For example, if you need to identify all jobs in JD Edwards EnterpriseOne Job Cost that have ground conditions, you can add a search type of GR to user-defined UDC table (55/ST).

After you set up the appropriate user-defined codes and user-defined code types, you can add specific data types for JD Edwards EnterpriseOne Job Cost that better fit the supplemental data requirements.

**Note:**

- ["Setting Up Supplemental Data" in the JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide](#) .
- ["Entering Supplemental Data" in the JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide](#) .

## Prerequisite

Set the processing option for the Supplemental Data program (P00092) to specify the supplemental database code for the system to which you are adding data types using the Supplemental Data program. For example, JC is the supplemental database code for JD Edwards EnterpriseOne Job Cost.



# 4 Setting Up Cost Code Structures

## Understanding Cost Code Structures

After you create a job master record, you must assign a JD Edwards EnterpriseOne Job Cost code structure to it. You use cost code structures to track, manage, and report on the amounts, quantities, budgets, and other account information associated with the jobs. The cost code structure is the chart of accounts that is related to the specific job. These accounts might also be viewed as tasks that relate to the job. The cost code structure serves the same purpose for JD Edwards EnterpriseOne Job Cost that the chart of accounts serves for JD Edwards EnterpriseOne General Accounting.

You organize cost code structures by chart type, which is a user-defined code (UDC) (51/TC). To create a cost code structure, you add cost codes and cost types to the chart type. The system uses the chart type as the template from which you copy the cost structure to a job or to another chart type. For example, you might have a chart type that is set up to track costs associated with the research and development of a project and another to track the costs to manufacture a product. Rather than create a new cost code structure for the new chart type, you can copy the cost code structure from another chart type and revise it as necessary.

## Cost Code Structure Planning

When you set up the cost code structures, consider:

- Who will use the cost code information.
- For what reporting and forecasting purposes will the cost code structure be used.
- The most effective way to organize the cost code structure.

Different groups of people can have different purposes and requirements when using the same cost code structure for a job. For example, the cost code structure might be used by:

- Engineers who are concerned with the work being done for each phase of the job.
- Accountants who are concerned with the costs incurred by each account in the job.
- Managers who are concerned with both the work being done and the costs incurred by each account.

An effective cost code structure accommodates the needs of all of the groups that use it.

When you create the cost codes, you can embed codes that further define the structure and support the reporting purposes you need. For example, you could structure the eight characters of the cost code based on these criteria:

- The first three characters represent a specific work item within the job.
- The second three characters represent a specific type of task within the work items.
- The last two characters represent the physical location of the work being done.

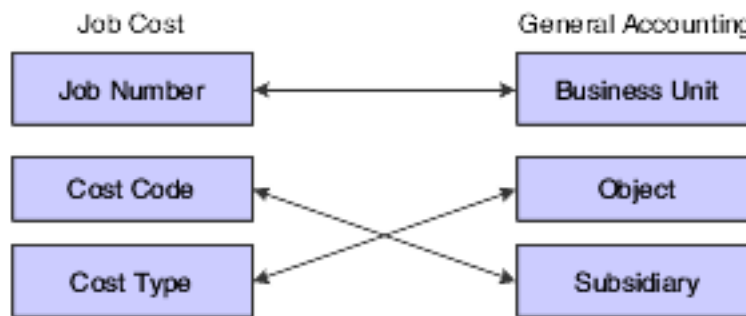
The cost code structure should establish a link between the projects, jobs, and tasks so that you can easily recognize the relationships. To accomplish this goal, organize the cost code structure to create a hierarchy from the overall project level down to individual jobs and accounts.

## Components of the Cost Code Structure

The cost code and the cost type comprise the cost code structure, which is organized by chart type. You add the cost code structure to each job to track its associated tasks and budgets. You can organize the cost code structure exactly as you would the chart of accounts, except that you reverse the relationship between the object and the subsidiary.

This diagram shows the account structures for JD Edwards EnterpriseOne Job Cost and JD Edwards EnterpriseOne General Accounting:

Job Cost Format (Cost Code Structure0: Job Number, Cost Code, Cost Type (5100.02200.1341))  
General Accounting Format: Business Unit.Object.Subsidiary (5100.1342.02200)



The cost code identifies a specific task within a job. The cost type identifies specific costs within the activity, such as labor or materials. In JD Edwards EnterpriseOne Job Cost, you use the cost code to describe the task and the cost type to describe the cost associated with the task.

For example, if you wanted to track the cost for producing documentation for using a specific product, you could create a cost structure for documentation, and then add cost types for each activity, such as:

- Job (121) = DVD player
- Cost code (1021) = Documentation
- Cost type (001) = Research
- Cost type (002) = Writing
- Cost type (003) = Testing
- Cost type (004) = Editing
- Cost type (005) = Printing

By creating cost code and cost type relationships, you can track the cost of the same activity across multiple jobs.

## Header and Detail Accounts

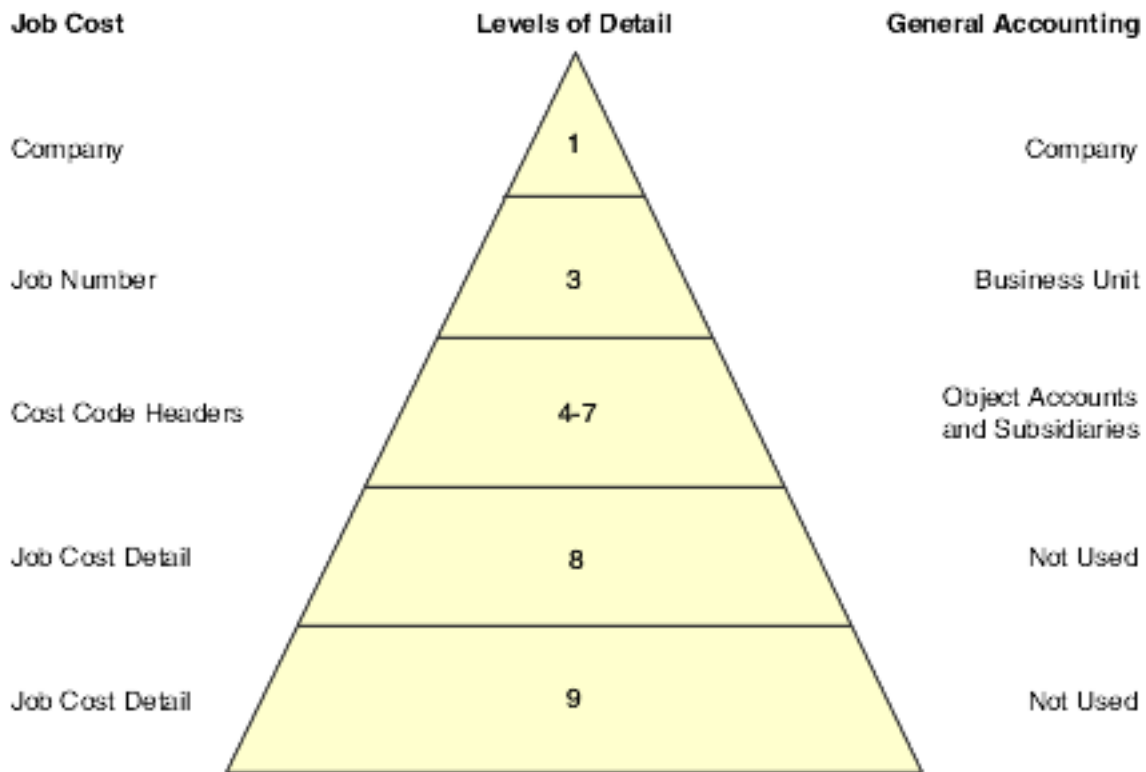
JD Edwards EnterpriseOne Job Cost accounts are organized into header accounts and detail accounts. They are used within the cost code structure to view varying levels of detail for summarized job cost information. A job cost account that has only a job number and a cost code is a header account. A job cost account that has a job number, a

cost code, and a cost type is a detail account. You can use cost code headers to group related detail accounts under one task. You can also define major cost code headers to group related cost code structures based on the level of detail.

## Levels of Detail

You assign a level of detail to each account in JD Edwards EnterpriseOne Job Cost to establish a hierarchy of accounts related to the cost code structure that you set up for the jobs. The level of detail identifies the summary and detail accounts in the JD Edwards EnterpriseOne General Accounting system, and controls the account totaling on forms and reports. The levels of detail are numbers 1 through 9, with 1 being the most general and 9 being the most specific.

This diagram compares the levels of detail for JD Edwards EnterpriseOne Job Cost and JD Edwards EnterpriseOne General Accounting:



Generally, you assign levels of detail as described in this table:

Account Level of Detail	Description
Level 1	Reserved for the company in JD Edwards EnterpriseOne Job Cost and JD Edwards EnterpriseOne General Accounting.
Level 2	Reserved for jobs in JD Edwards EnterpriseOne Job Cost and business units in JD Edwards EnterpriseOne General Accounting.

Account Level of Detail	Description
Levels 4 through 7	Reserved for cost code headers in JD Edwards EnterpriseOne Job Cost, and object accounts and subsidiaries in JD Edwards EnterpriseOne General Accounting. In JD Edwards EnterpriseOne Job Cost, a cost code header, which does not have a cost type, might be a level from 4 through 7. Such an account has no relationship to a JD Edwards EnterpriseOne General Accounting account with the same level of detail. You can skip levels of detail if you do not need many header accounts.
Levels 8 and 9	Reserved for cost codes and cost types in JD Edwards EnterpriseOne Job Cost. You should use these levels only for job cost details.

**Note:** Levels of detail 8 and 9 should be reserved for JD Edwards EnterpriseOne Job Cost. However, if you must use levels of detail 8 and 9 in JD Edwards EnterpriseOne General Accounting, you should not do any financial reporting at a level of detail that has job cost coding.

In JD Edwards EnterpriseOne Job Cost, you do not need to use every level of detail. You can skip levels as long as you are consistent.

## Example: Cost Code Structure

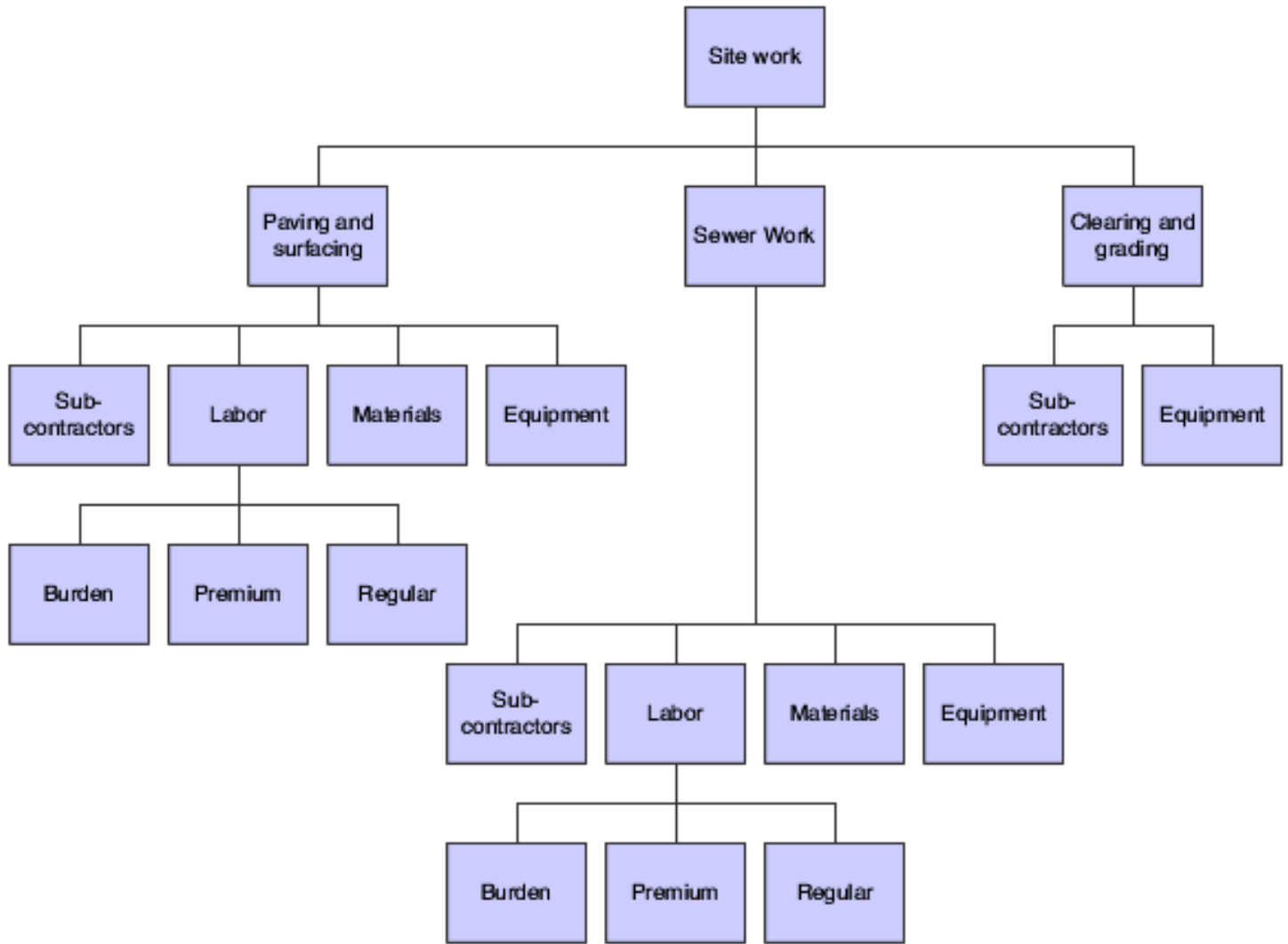
Assume you are contracted to build a large regional airport. The airport is the project, and each subproject within it, such as construction of the main terminal building, the automated baggage system, and the airport access road is a separate job. You must set up a cost code structure for the accounts related to each job.

The main terminal building job can be divided into these work items, each of which can be broken down into various levels of tasks:

- Site work
- Electrical work
- Concrete work

This diagram shows the tasks related to the *site work* work item:





Determine the embedded structure you will use for the accounts, and then assign the job number, the cost codes, and the cost types.

The following tables show numbers that you might assign:

Job

Job	Job Number
Main Terminal Building	5001

Cost Codes

Work Item and Tasks	Cost Code	Level of Detail
Site Work	02000	3
Clearing and Grading	02200	4
Sewer Work	02600	4
Paving and Surfacing	02800	4

### Cost Types

Specific Account	Cost Type	Level of Detail
Labor	1340	8
Regular labor	1341	9
Premium labor	1342	9
Burden labor	1343	9
Materials	1350	8
Equipment	1355	8
Subcontracts	1360	8

You can then set up the cost code structure for the *site work* work item:

Account Number	Description	Level of Detail
5000	Regional Airport Project	1
5001	Main Terminal Building	3
5001.02000	Site Work	4
5001.02200	Clearing and Grading	5
5001.02200.1355	Equipment	8
5001.02200.1360	Subcontracts	8

Account Number	Description	Level of Detail
5001.02600	Sewer Work	4
5001.02600.1340	Labor	8
5001.02600.1341	Regular	9
5001.02600.1342	Premium	9
5001.02600.1343	Burden	9
5001.02600.1350	Materials	8
5001.02600.1355	Equipment	8
5001.02600.1360	Subcontracts	8
5001.02800	Paving and Surfacing	4
5001.02800.1340	Labor	8
5001.02800.1341	Regular	9
5001.02800.1342	Premium	9
5001.02800.1343	Burden	9
5001.02800.1350	Materials	8
5001.02800.1355	Equipment	8
5001.02800.1360	Subcontracts	8

JD Edwards EnterpriseOne Job Cost shares these tables with JD Edwards EnterpriseOne General Accounting:

Table	Description
Business Unit Master (F0006)	Stores job master information.
Account Master (F0901)	Stores cost code structure account information.

Table	Description
Account Ledger (F0911)	Tracks revisions to account balance amounts and quantities by providing a detailed audit trail of transactions.
Account Balances (F0902)	Stores account balance details related to the various ledgers associated with each account in the cost code structure.

## Common Fields in This Chapter

### Chart Type

Identifies a model chart of accounts. You can set up a different model for each type of job or standard section of a job. A blank chart type can be used to identify the most commonly used model. You can use chart types to create cost code structures for jobs or other chart types.

## Creating a Chart Type

This section provides an overview of chart types, from which you can create numerous cost code structures, and discusses how to:

- Set processing options for Job Cost Code Structures (P51091).
- Add a cost code structure to a chart type.

## Understanding Chart Types

A chart type is a hierarchy of cost codes and cost types that you define. If you have multiple job types, you can set up multiple chart types, one for each job type. The chart type is the model account structure for the type of job as defined by the chart type UDC (51/TC). To create the chart type (model cost structure), you must add the cost code header and cost type detail accounts that you want to use for the projects associated with the chart type. For example, you might have a chart type for landscaping that has all of the accounts associated with managing a landscaping project, and you might have a chart type for electrical that has all of the accounts associated with installing the electricity to a job site, and so on.

Once you have entered the accounting information for the chart type, you can quickly and easily use the chart type to create other chart types, as well as copy the chart to (all accounts or ranges of accounts) to the job master record. For example, suppose that you are contracted to construct a 10 story office building. In this case, the office building is the project, and each floor is a separate job. In addition, assume that each floor will be based on one of three different floor plans. You can set up a chart type for each floor plan. Then, when you create the job master record for each floor, you can copy the cost code structure from the appropriate floor plan into each job.

By setting up chart types and copying the account information to the jobs, you can enforce consistency in the account structure. A chart type does not contain budget information.

**Note:** You should define the blank chart type for the cost code structure information that you most often use or as the chart type that contains all of the cost code structures.

## Distributable Accounts for Joint Ventures (Release 9.2 Update)

If you use the JD Edwards EnterpriseOne Joint Venture Management system for your business, you can mark accounts as distributable when you set up accounts for chart types. The system uses the distributable accounts to distribute expenses and revenue among the partners involved in the joint venture. When you create jobs with the chart types that have distributable accounts, the system creates records in the Account Master table (F0901) and Joint Venture Distributable Account table (F09J01). When you have specified the distributable accounts for a chart type, you can easily use the chart type to create other chart types with distributable accounts, as well as copy the chart with distributable accounts to the job master record. Similarly, when you copy a job (that uses a chart with distributable accounts) to another job or chart, the distributable accounts are also copied.

## Prerequisites

Before you complete the tasks in this section, you must:

- Set up the chart type codes that you want to use (51/TC).
- Set the Job Cost Select Button Choices processing option (on the Versions tab) to **2** to display the Chart Type Setup form.

## Forms Used to Add a Cost Code Structure to a Chart Type

Form Name	FormID	Navigation	Usage
Work with Cost Code Structures	W51091G	Job Cost Setup (G5141), Job Cost Code Structures	Select the chart type to which you want to add or review a cost code structure.
Chart Type Setup	W51091I	Select a chart type on the Work with Cost Code Structures form and select Chart Type Setup from the Row menu.	Add a cost code structure to a chart type.  Complete the Cost Code, Cost Type, and Description fields to add the cost structure (account information) to the chart type.

## Setting Processing Options for Job Cost Code Structures (P51091)

Processing options enable you to specify the default processing for programs and reports.

### Display

#### 1. Cost Type Characters to Mask

Specify a number, up to five characters, to truncate from the beginning of the value entered in the Cost Type processing option. The system does not display the truncated characters on the form. For example, if you have cost types that are six characters and the first three characters are 022 for all of the cost types, you can enter 022 in this processing option, and the system prevents that number from appearing on the form. Conversely, if you add new accounts to the job, the system concatenates the cost type that you enter with the number entered in this processing option. For example, if you add a new account with cost type 897 and you enter 022 in this processing option, then the system stores 022897 as the cost type in the Account Master table (F0901).

## Process

### 1. Budget Amount Ledger Type

Specify the default ledger type to assign to the job when you copy the cost code structure from another job, and select the check box to copy budgets. If you leave this processing option blank, the system assigns JA.

## Versions

### 1. Job Cost Select Button Choices

Specify the form that appears when you select a chart type on the Work with Cost Code Structures form. Values are:

Blank or **1:** Copy Cost Codes form

**2:** Chart Type Setup form

### 2. Multiple Cost Code Setup Versions (P51092)

Specify the version of the Multiple Cost Code Setup program (P51092) to use when you select Work With Multi CC Setup from the Form menu. If you leave this processing option blank, the system uses version ZJDE0001.

## Adding a Cost Code Structure to a Chart Type

Access the Chart Type Setup form.

### Workman Comp (workman compensation)

Enter a value from UDC table 00/W to identify the workers compensation code for the account as it relates to the classifications on the reports for worker's compensation.

**Note:** Leave this field blank if the rate is related to the workers job classifications instead of the type of work. In this case, the rate comes from employee information.

### Rt Cd (rate code)

Enter the UDC (00/RC) to indicate a billing rate, such as DY for daily, MO for monthly, and WK. for weekly. You can set up multiple billing rates for a piece of equipment.

If you leave this field blank, the system searches for a valid billing rate using this hierarchy:

- a. Account Master (F0901)  
This table contains the most detailed rate information. You can assign multiple rates for a job. For example, you can set up separate rates for different equipment working conditions.
- b. Job or Business Unit Master (F0006)  
This table contains less detailed rate information than the Account Master table. You can only set up a single rate for a job based on this table.
- c. Rental Rules (F1302)

This table contains the least detailed rate code information. The system searches this table according to the criteria you establish when setting up the table.

### Bill Y/N (bill yes or no)

Specify whether a JD Edwards EnterpriseOne General Accounting account can be billed. Values are:

Blank or **N**: The account can not be billed.

**Y**: The account can be billed.

**1**: The account is eligible only for invoicing.

**2**: The account is eligible only for revenue recognition.

**4**: The account is eligible only for cost.

**Note:** Codes Y, 1, 2, and 4 are valid only for JD Edwards EnterpriseOne Service and Contract Billing.

### Bill Item

Enter the bill item code (UDC table 09/01) that is associated with the Account Master table (F0901). This code is used for flexible account mapping and printing selected information on reports.

### Area Code

Enter the bill item code (UDC table 09/02) that is associated with the Account Master table (F0901). This code is used for flexible account mapping and printing selected information on reports.

### Loc Code (location code)

Enter the bill item code (UDC table 09/03) that is associated with the Account Master table (F0901). This code is used for flexible account mapping and printing selected information on reports.

## Creating Cost Code Structures

This section provides an overview of creating cost code structures and discusses how to copy cost code structures.

## Understanding Cost Code Structure Creation

After you create the first chart type with the associated account information, you can use it to create other cost code structures. Use any of these methods to create a cost code structure:

- Copy the cost code structure from a chart type to another chart type.
- Copy the cost code structure from a chart type into a job.
- Copy the cost code structure from a job into a single or multiple new jobs.  
(Release 9.2 Update) For example, if you want to copy the cost code structure of one job to multiple jobs that belong to the same job type or that have the same category code, you can filter and select the required jobs from the grid and copy the cost code structure to multiple jobs in a single step. Therefore, the manual effort of copying the structure to each job individually is eliminated.
- Copy the cost code structure from a job into a job type.  
Use this method when you want to copy changes to the cost code structure to all of the jobs in a job type. For example, suppose you add a new cost code to a chart and a job. Rather than manually copying the new

structure to each job individually, you can copy the cost code structure to all jobs that are assigned the specified job type.

- Copy existing cost codes to new cost codes within a job.

For example, if the cost code structure is set up for cost code 02200, you can copy the cost types associated with it into a new cost code, such as 03200. You can create new cost codes from existing cost codes by copying to the same chart (using Copy Chart to Chart) or by copying to the same job (using Copy Job to Job).

The options that are available for copying cost code structures are dependent on the initial Find/Browse form that you access:

- To copy the cost code structure from a chart type, you must access the Work with Cost Code Structures form, which displays all of the chart types. You can copy all of the accounts or some of the accounts from a job to a single job or to multiple jobs, to a job type, or to a chart type.
- To copy the cost code structure from a job, you must access the Work with Job Master form, which displays all of the jobs. You can copy all of the accounts or a range of accounts from one job to another job, to a job type, or to a chart type.

**Note:** If you want to copy a cost code to another cost code within the same job or chart, enter the job number or chart type in both of the Job fields. When you leave the second Job field, the system refreshes the form to include only the From and To cost code fields.

- To copy selected accounts to either a job, job type, or chart type, you must access a form that displays the cost code structure, such as the Chart Type Setup or Original Budget / Account Master Sequence.
  - If you are on the Chart Type Setup form, when you select the accounts to copy and select Copy Accounts from the Row menu, the system displays a form on which you specify the chart type to which you want the selected accounts copied.
  - If you are on the Original Budget / Accounts Sequence Master form, because the accounts are associated with a job, you can copy selected accounts to another job.

After you create the cost code structure for a new chart type, you can add and delete accounts using the Chart Type Setup form. After you create a cost code structure for a job, you can use the Original Budget / Account Master Sequence form to revise the account information to satisfy the requirements for the new job.

The system stores job cost account information (cost code and cost type) in the Account Master table (F0901). The system stores cost code structure information for chart types in the Chart Type Master table (F5109).

**Note:** If you revise a cost code structure that has costs applied to it, you must run the Global Update BU/OBJ/SUB to F0902/F0911 from F0901 program (R09806) to maintain system integrity.

See *"Updating the F0911 and F0902 Tables" in the JD Edwards EnterpriseOne Applications General Accounting Implementation Guide* .

## Copying Budget Information from an Existing Job

If you copy accounts from a cost code structure that has associated budget information for the current year, you can also copy the budget information associated with the accounts. You have the option to copy budget information only when you create the cost code structure for a new job. You can copy existing budget information into a new job or multiple new jobs using one of these methods:



Copy Method	Description
Copy revised budgets.	The system copies the original budget, period balances, and balance forward information to a new job or multiple new jobs.
Copy original budgets.	The system copies only the original budget into a new job or multiple new jobs.
Copy revised budgets into original.	The system adds the original budget, period balances, and balance forward amounts together and updates the result as the original budget for a new job or for multiple new jobs.

You can only copy budget information when these conditions are met:

- The job from which you copy contains a current year budget.
- The Budget Amount Ledger Type processing option for the Job Cost Code Structures program (P51091) contains a valid ledger type. The system copies the budget information from the existing job ledger into the ledger type entered in the processing option.
- The budget ledger type entered in the Budget Amount Ledger Type processing option for P51091 is set up in the Ledger Type Master Setup program (P0025) with the Roll Original Budget to Next Year option selected.

## Modifying a Cost Code Structure

After you create a cost code structure, you can revise it by adding and deleting accounts. When you add accounts, you can either manually type in the account information or you can copy a cost code range to another cost code range within the same job.

The system copies the information in the Account Master table (F0901) or the Chart Type Master table (F5109) from the cost code selected to the new cost code. No option to copy budget information when you copy cost codes to new cost codes within a job is available.

You can delete an account from a job if the job has no associated transactions. If the account has a transaction associated with it, that is, if information exists in the Account Ledger table (F0911), then you cannot delete the account. You can void the account transaction so that the system no longer uses the account information, but the account and its associated information remain in the job records.

## Prerequisites

Before you complete the tasks in this section, you must:

- Set up a cost code structure for a chart type.
- Create a master record for the job.

If you are deleting an account that has budget information associated with it, delete the budget information first.

### Note:

- *"Revising Accounts" in the JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide*
- *Setting Up Ledger Types for Job Cost.*

## Forms Used to Copy Cost Code Structures

Form Name	FormID	Navigation	Usage
Work with Cost Code Structures	W51091G	Job & Budget Setup (G5111), Copy Selected Master Codes  Job Cost Setup (G5141), Job Cost Code Structures	Review and select chart types.
Copy Cost Codes	W51091J	Select a chart type on Work with Cost Code Structures, and then select either Copy Chart to Chart or Copy Chart to Job from the Row menu.	Copy a cost code structure from one chart type to another chart type or to another job. The system displays the fields appropriate to the task depending on the Row menu that you select. You can also copy a specified cost code to create a new cost code for the same chart. The system copies all the cost types associated with the specified cost code.
Chart Type Setup	W51091I	Select a chart type on Work with Cost Code Structures. Depending on processing option settings, you might need to select Chart Type Setup from the Row menu.	Review and revise the cost code structure.
Copy Random Accounts	W51091A	Select the individual cost codes to copy, and then select Copy Accounts from the Row menu.	Copy selected cost codes from one chart type to another. Enter the chart type to which you want the selected accounts copy and select the Update check box.
Work with Job Master	W51006R	Job & Budget Setup (G5111), Copy Similar Job	Review and select jobs.
Copy Cost Codes (Release 9.2 Update)	W51091J	Select a job on Work with Job Master, select Adding Accounts from	Copy a cost code structure from one job to another job, job

Form Name	FormID	Navigation	Usage
		the Row menu, and then select Copy Job to Job(s), Copy Job to Chart, Copy Job to Job, or Copy Job to Job Type from the Row menu.	type, or chart type. The system displays the fields appropriate to the task depending on the Row menu that you select. You can copy the entire cost code structure from one job or another job to multiple new jobs. You can also specify to copy a range of cost codes and cost types, as well as copy based on the account level of detail. You can also copy a specified cost code to create a new cost code for the same job. The system copies all the cost types associated with the specified cost code.
Original Budget / Account Master Sequence	W510121B	Select a job on Work with Job Master. Depending on the processing option settings, you might have to select Job Budgets, Budget Original from the Row menu to access the form.	Review and revise the cost code structure for a job.
Copy Random Accounts	W51091A	Select the individual cost codes to copy, and then select Copy Accounts from the Row menu.	Copy selected cost codes from one job to another. Enter the job to which you want the selected accounts copy and select the Update check box.

## Copying Cost Code Structures

The system displays the fields necessary to complete the task, depending on the Copy feature that you select.

### Copy Revised Budgets, Copy Original Budgets, Copy Revised Budgets into Original

Select one of the following options to indicate whether you want to copy the budget information along with the related accounts:

**Copy Revised Budgets:** Copy the revised budget for the existing job. The original budget, period balances, and balance forward for the new account duplicate the current account information for the existing job.

**Copy Original Budgets:** Copy the original budget of the existing job into the new job.

**Copy Revised Budgets into Original:** Add the original budget, period balances, and the balance forward amounts and copy them to the original budget for the new account.

**Do you wish to copy associated budgets?**

When you select this check box, the Copy Budgets group box appears on the form. You can enter the information to copy the cost code structure to a single job, multiple jobs, or job types.

## Creating Multiple Cost Code Structures Simultaneously

This section provides an overview of creating multiple cost code structures, lists a prerequisite, and discusses how to:

- Set processing options for Multiple Cost Code Setup (P51092).
- Set up multiple cost code structures.
- Create multiple cost code structures.
- Set processing options for Multiple Cost Code Job Creation (R51092).

## Understanding Multiple Cost Code Structure Creation

If the company requires that you create a large number of similar jobs, rather than copy the cost structure to each job individually, you can set up the cost code structure as a version and copy it to multiple jobs by running a program. You use the Multiple Cost Code Setup program (P51092) to set up the cost code version, and you run the Multiple Cost Code Job Creation report (R51092) to create the cost code structures for the jobs specified in the version.

**Note:** Because you are copying information from a chart type, and not a job, you do not have the option to copy budget amounts when you use this feature.

When you access the P51092 program, the system displays the list of versions that you have specified in UDC 51/VS. When you select a version, the system displays a detail form on which you enter the cost code criteria that you want to copy. You can select one or many cost codes from the one chart type or from different chart types. You can assign the same cost code numbers to the new job, or specify to use different cost codes for the new job. You can enter as many cost codes from as many chart types as desired.

After you enter the criteria for one version, you can copy it to another version and modify it as necessary. For example, you might have one version for construction projects and another for administrative projects. For whatever type of job that you need to create a cost code structure, you can create cost code structures for several jobs simultaneously by creating a version and copying it. The system stores the version and detail criteria in the Multiple Cost Code Setup table (F51092).

After you create the versions, you run the R51092 report program to generate the cost code structure for each job. You can run the program in proof or final mode. When you run the program in final mode, the system updates the Account Master table (F0901) with the cost code structure entered for the job.

## Prerequisite

Before you complete the tasks in this section, you must set up the version name to which you want to add cost code structure information to UDC 51/VS.

## Forms Used to Create Multiple Cost Code Structure Versions

Form Name	FormID	Navigation	Usage
Work with Multiple Cost Code Setup Versions	W51092A	Job & Budget Setup (G5111), Multiple Cost Code Setup	Review and select versions to copy or revise.
Multiple Cost Code Setup Version Detail	W51092B	Select a version on the Work with Multiple Cost Code Setup Versions form.	Set up multiple cost code structures.  Add the information to copy from the chart type (or multiple chart type) to the job (or multiple jobs).
Copy Multiple Cost Code Setup Versions	W51092C	Select a version and select Copy Version from the Row menu.	Copy the cost code information from one version to another.

## Setting Processing Options for Multiple Cost Code Setup (P51092)

Processing options enable you to specify the default processing for programs and reports.

### Versions

Use these processing options to specify the versions of the programs that you can access from the Row, Form, and Report menus. If you leave these processing options blank, the system uses version ZJDE0001.

#### 1. Multiple Cost Code Job Creation Version (R51092)

Specify the version of the Multiple Cost Code Job Creation program (R51092) to run when you select Cost Code Creation from the Report menu.

#### 2. Work with Jobs Master (P510006)

Specify the version of the Job Cost Master Revisions program (P51006) to use when you access the program from the Row or Form menu.

## Setting Up Multiple Cost Code Structures

Access the Multiple Cost Code Setup Version Detail form.

### Chart Cost Code

Enter the cost code from the specified chart type to copy to the specified job. The system copies all cost types for the cost code to the job.

### Job Cost Code

Changes the cost code account when copying the accounts to a new job. If you leave this field blank, the system uses the same cost code that was entered for the chart type. For example, if you enter **02200** as the chart cost code but you want the accounts created as 04100, then enter **04100** in this field. If you want the accounts to remain as 02200, then leave this field blank.

### Description

Enter the description on the header account for the cost code that you are copying. If you leave this field blank, the system copies the header description from the chart type to the new job.

## Creating Multiple Cost Code Structures

Select Job & Budget Setup (G5111), Multiple Cost Code Creation.

## Setting Processing Options for Multiple Cost Code Job Creation (R51092)

Processing options enable you to specify the default processing for programs and reports.

### Processing

Use these processing options to specify the processing mode and delete version for the Multiple Cost Code Job Creation program.

#### 1. Process Mode

Specify the mode in which you want to run this program. Values are:

Blank: Preliminary mode. The system does not create account master records. You should run the program in preliminary mode before running it in final mode to verify the number of accounts that are to be copied.

**1:** Final mode. The system creates account master records in the Account Master table (F0901).

#### 2. Delete Version

Specify whether you want to delete the selected version of the Multiple Cost Code Setup table (F51092) after it has been processed by the Multiple Cost Code Job Creation report (R51092). Values are:

Blank: Do not delete.

**1:** Delete.

## Assigning Alternate Sequences

This section provides an overview of alternate sequences, lists a prerequisite, and discusses how to:

- Assign alternate sequences manually.
- Map category codes to create alternate sequences.
- Run the Global Update Category Codes program (R51807).
- Set processing options for Global Update Category Codes (R51807).

## Understanding Alternate Sequences

When you inquire on a job, the system automatically displays the cost code structure in alphanumeric order. However, depending on the business process, you might want to display the cost structure in a different sequence. Some reasons for using an alternate sequence are:

- To identify specific areas of a job.
- To follow the guidelines of regulatory cost code structures.
- To comply with the requirements of a parent company.
- To comply with the requirements of a third party.

To maintain the original cost code structure, and provide alternate methods of displaying the accounts, you can create alternate sequences. You can manually create alternate sequences by assigning values to specific fields on the Original Budget / Account Master Sequence form, or you can create alternate sequences automatically by mapping characters from the existing cost code to update category code values.

Regardless of how you assign the values to create alternate sequences, you can use them to re-display the cost code structure using the Job Cost inquiry programs only (both online and print).

See *Inquiring on Job Information*.

The system updates the Account Master table (F0901) with the values that you add or update for alternate sequences.

## Creating Alternate Sequences Manually

You create alternate sequences manually by updating one or more of these fields on the Original Budget / Account Master Sequence form:

- Alternate Cost Code
- Bill Item (R001)
- Area Code (R002)
- Loc Code (location code) (R003)

**Note:** Because category codes are user-defined, the fields might be assigned a different description.

## Creating Alternate Sequences Automatically

If you embedded meaning into the cost codes that you assign to the jobs, then you can extract the meaningful characters from the cost code to update the category codes that you can use as alternate sequences. You can create

alternate sequences automatically as you add new accounts to a job (or copy a job), or after the cost code structure is assigned to the job.

To update the category codes automatically, you must map the characters that you want to update using either the Extended Job Master form or the processing options of the Global Update Category Codes program (R51807). The mapping process is the same regardless of which you select. Using the Extended Job Master form you can update category code values when you add an account to a job, or copy a job to another job. Using the Global Update Category Codes program you can update category codes on existing cost code structures for one or more jobs.

The cost code can contain up to eight characters. The system provides three category code fields to use for mapping those eight digits. To map the characters, specify the digits that you want to update to each category code. To skip a character, enter a + symbol. You must enter the characters sequentially. For example, 234 would copy the 2nd, 3rd, and 4th digits of the cost code. 2+4 would copy the 2nd and 4th digits. 243 would not be a valid numerical sequence.

The table provides examples of cost codes and the resulting category code values using the mappings:

- Category Code 1: 1 + 3
- Category Code 2: 4 5 +
- Category Code 3: + + 6

Cost Code	Category Code 1 (R001)	Category Code 2 (R002)	Category Code 3 (R003)
440101	40	10	1
442201	42	20	1
302235	32	23	5
300135	30	13	5
443201	43	20	1

Whether you set up the mappings in the Extended Job Master or use the Global Update Category Codes program depends on when you want the category code values updated.

You can also use the Global Update Category Codes program to assign the alternate cost code value by completing the corresponding field.

**Note:** You can run the global update program to update the category code values as often as you need. The program overwrites existing values.

## Prerequisite

Before you complete the tasks in the section, you must verify the setting of the Account Category Codes Edit processing option for the Original Budget program (P510121). If the processing option is set to blank, you must set up UDC values



for the category codes that you want to update. If the processing option is set to 1, the system does not validate the values that you enter.

## Forms Used to Assign Alternate Sequences

Form Name	FormID	Navigation	Usage
Work with Job Master	W51006R	Job & Budget Setup (G5111), Account Master Sequences	Review and select jobs.
Original Budget / Account Master Sequence	W510121A	Select a job on the Work with Job Master form.	Assign alternate sequences manually.
Extended Job Master	W51006X	On the Work with Job Master form, select a job and select Job Master Info, Extended Job from the Row menu.	Map category codes to create alternate sequences.  Specify the characters to retrieve from the cost code to update into the corresponding category codes on the Original Budget / Account Master Sequence form.

## Assigning Alternate Sequences Manually

Access the Original Budget / Account Master Sequence form.

### Alternate Cost Type

Enter the alternate object account, which is occasionally used to comply with a regulatory chart of accounts, parent company requirements, or third-party coding scheme.

### Bill Item

Enter the bill item code (UDC table 09/01) that is associated with the Account Master table (F0901). This code is used for flex account mapping and printing selected information on reports.

### Area Code

Enter the bill item code (UDC table 09/02) that is associated with the Account Master table (F0901). This code is used for flex account mapping and printing selected information on reports.

### Loc Cod (location code)

Enter the bill item code (UDC table 09/03) that is associated with the Account Master table (F0901). This code is used for flex account mapping and printing selected information on reports.

## Mapping Category Codes to Create Alternate Sequences

Access the Extended Job Master form.

### Category Code 1 Selection

Enter the characters that the system selects from the cost code of an account to create category code 1 for that account. The system automatically creates the category codes when the account is added to the Account Master table (F0901). A cost code can be up to eight characters, therefore, valid characters are 1 through 8. Enter + to skip characters. For example, to add accounts with cost codes 03100, 05120, and 12100:

If you specify **123** in this field, the system selects positions one, two, and three from the cost codes. It creates the codes 031, 051, and 121, and assigns them to the respective accounts as category code 1.

If you specify **2+4**, the system selects positions two and four from the cost codes. It creates the codes 3 0, 5 2, and 2 0, and assigns them to the respective accounts.

If you specify **678**, the system selects positions six, seven, and eight from the cost codes. Because those positions do not exist for the cost codes that were added, category code 1 is blank for those accounts.

If you do not want to use the automatic selection feature for any category code 1, leave this field blank.

### Category Code 2 Selection

Enter the characters that the system selects from the cost code of an account to create category code 2 for that account.

### Category Code 3 Selection

Enter the characters that the system selects from the cost code of an account to create category code 3 for that account.

## Running the Global Update Category Codes Program (R51807)

Select Advanced & Technical Operations (G5131), Global Update Category Codes.

## Setting Processing Options for Global Update Category Codes (R51807)

Processing options enable you to specify the default processing for programs and reports.

### Process

#### 1. Category Code 1 Mapping

Specify up to three character positions, in order, to copy the corresponding characters from the cost code to category code 1 (R001) in the Account Master table (F0901).

#### 2. Category Code 2 Mapping

Specify up to three character positions, in order, to copy the corresponding characters from the cost code to category code 2 (R002) in the Account Master table (F0901).

#### 3. Category Code 3 Mapping

Specify up to three character positions, in order, to copy the corresponding characters from the cost code to category code 3 (R003) in the Account Master table (F0901).

**Note:** For Category Codes 1, 2, and 3 Mapping processing options, enter + to skip a character position. For example, 234 would copy the 2nd, 3rd, and 4th digits of the cost code. 2+4 would copy the 2nd and 4th digits of the cost code. 243 would not be a valid numerical sequence.

#### 4. Alternate Cost Code Mapping

Specify up to eight characters to copy to the Alternate Cost Code processing option (SUBA) that appears on the Original Budget / Alternate Sequence Master form. The system updates this information to the Account Master table (F0901).



# 5 Understanding Setup for Project Status Inquiry (Release 9.2 Update)

## Setup for Project Status Inquiry

Before you can use project status inquiry, you must set up basic system information, such as user-defined codes (UDCs), automatic accounting instructions (AAIs), and next numbers.

You must also set up these JD Edwards EnterpriseOne systems:

- Job Cost

You must set up the JD Edwards EnterpriseOne Job Cost system.

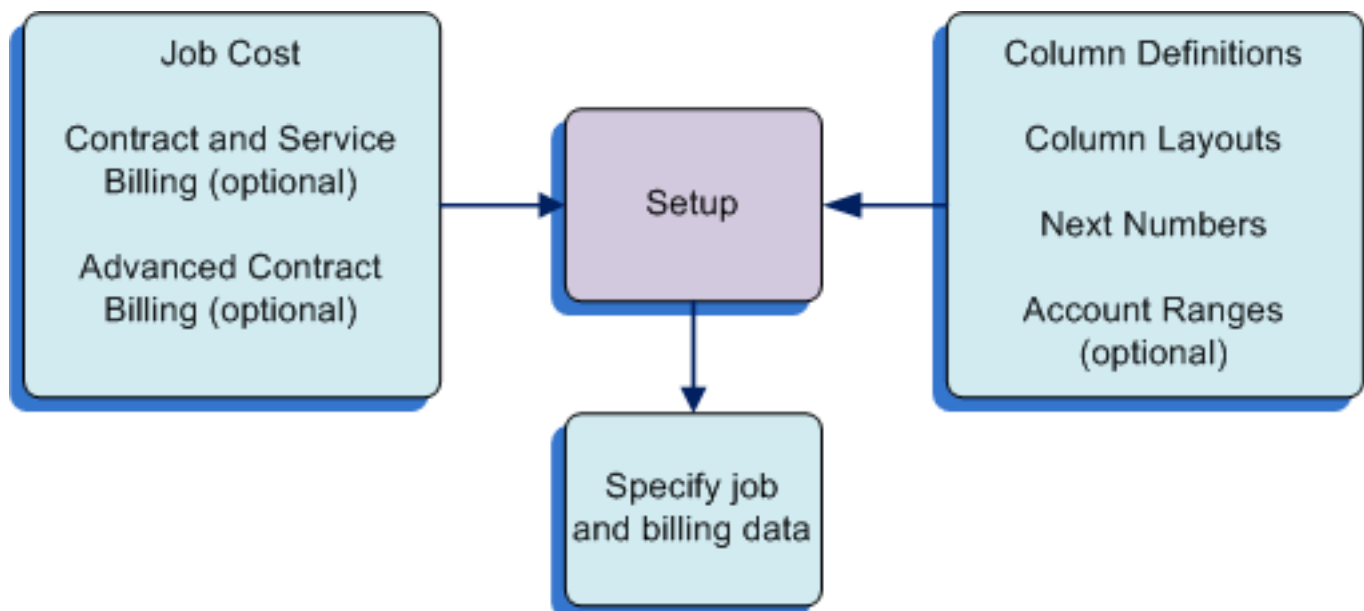
- Contract and Service Billing

You must set up the JD Edwards EnterpriseOne Contract and Service Billing system if you want to view billing amounts.

- Advanced Contract Billing

You must set up the JD Edwards EnterpriseOne Advanced Contract Billing system if you want to view billing amounts for complex or government contracts.

This diagram illustrates the system setup:



## Contract Billing Setup for Project Status Inquiry

To set up the JD Edwards EnterpriseOne Contract and Service Billing system, set up these parameters:

- Billing constants.

Billing constants determine contract billing and invoice processing.

See *"Setting Up Billing Constants" in the JD Edwards EnterpriseOne Applications Contract and Service Billing Implementation Guide* .

- User-defined codes (UDCs).

You set up UDCs to define custom codes for the system, such as component codes and adjustment reasons.

See *"Setting Up UDCs" in the JD Edwards EnterpriseOne Applications Contract and Service Billing Implementation Guide* .

- Automatic accounting instructions (AAIs).

You set up billing AAIs to define the accounting rules that the system uses to process journal transactions for billing, revenue recognition, and reallocations.

See *"Setting Up AAIs for Billing" in the JD Edwards EnterpriseOne Applications Contract and Service Billing Implementation Guide* .

- Billing rate and markup rules.

You set up billing rate and markup rules to define the calculation for the amount that you add to costs to account for overhead and profit.

See *"Understanding Billing Rate and Markup Rules" in the JD Edwards EnterpriseOne Applications Contract and Service Billing Implementation Guide* .

- Component rules.

You set up component rules to define an additional markup that is based on amounts and units. The markup rules use this information to define additional markup.

See *"Setting Up Component Rules" in the JD Edwards EnterpriseOne Applications Contract and Service Billing Implementation Guide* .

- Contracts.

Contract setup is essential for viewing job and project information.

See *"Setting Up Contracts" in the JD Edwards EnterpriseOne Applications Contract and Service Billing Implementation Guide* .

- Billing lines.

After you define the contract master information, you must define contract billing lines to generate invoices for your clients. Contract billing lines specify the billing terms of the contract. You can set up independent and dependent contract billing lines.

Independent contract billing lines include all of the information that the system needs to calculate a billing amount.

See *"Defining Independent Contract Billing Lines" in the JD Edwards EnterpriseOne Applications Contract and Service Billing Implementation Guide* .

Dependent contract billing lines include only a portion of the information that the system needs to calculate a billing amount. To calculate a billing amount for a dependent contract billing line, you must associate each dependent billing line with an independent billing line. Typically, you set up dependent billing lines when you want to generate invoices that illustrate each element included in individual billing amounts.

See *"Defining Dependent Contract Billing Lines" in the JD Edwards EnterpriseOne Applications Contract and Service Billing Implementation Guide* .

You can view billing information in project status inquiry.

- Fee rates.

To calculate billing amounts for a fee billing line, you must assign a rate code or a fee percentage to the billing line for a fee. The rate code specifies a table or fee percentages that the system uses to calculate a fee billing line. The rate code is based on an effective date rate.

See *"Defining Contract Billing Lines for Fees" in the JD Edwards EnterpriseOne Applications Contract and Service Billing Implementation Guide* .

- Burdening.

Burdening is the ability to charge indirect costs to contracts or jobs based on a pre-defined set of rules and rates. Indirect costs include overhead, material and handling, and general and administrative costs.

See *"Defining a Contract Billing Line for Applied Burdens" and "Defining a Contract Billing Line for Labor Burden" in the JD Edwards EnterpriseOne Applications Contract and Service Billing Implementation Guide* .

## Advanced Contract Billing Setup for Project Status Inquiry (Optional)

You use the JD Edwards EnterpriseOne Advanced Contract Billing system to set additional parameters for your project and contract accounting. The system uses these parameters in addition to the contract and billing information that you set up in the JD Edwards EnterpriseOne Contract and Service Billing system.

If you set up the JD Edwards EnterpriseOne Advanced Contract Billing system, you can view the additional job, contract, and accounting records that are specific to the Advanced Contract Billing system.

## UDCs for Project Status Inquiry

The JD Edwards EnterpriseOne Job Cost system provides hard-coded values for the user-defined code (UDC) tables that project status inquiry uses. Verify that these UDC tables and values exist in your system:

- 51/BA (Billing Amount)
- 51/BF (Budget Flag)
- 51/PS (PSI Sequence)
- 51/CC (Category Codes)
- 51/CN (Column Type)
- 51/FF (Formula Factor)
- 51/OP (Alert Operator)
- 51/SM (Summarize)
- 51/TM (Totaling Method)

### 51/BA (Billing Amount)

Verify that these hard-coded values exist in your system:

Code	Description	Special Handling Code
01	Billed Net	1
02	Billed Tax	1
03	Billed Total	1
04	Billed Units	1
05	Billed Unit Price	1
06	Unbilled Net	2
07	Unbilled Tax	2
08	Unbilled Total	2
09	Unbilled Units	2
10	Unbilled Unit Price	2



Code	Description	Special Handling Code
11	Earned Amount	3
12	Earned Units	3
13	Earned Unit Cost	3
14	Revenue Recognized	4
15	Revenue Not Recognized	5
16	Revenue in excess of NTE	6
17	Net Revenue	7
18	Received Amount	8
19	Retained Amount	9

## 51/BF (Budget Flag)

Verify that these hard-coded values exist in your system:

- 1: Non-budget
- 2: Original Budget
- 3: Revised Budget

## 51/PS (PSI Sequence)

Verify that these hard-coded values exist in your system:

- 1: Cost Code/Cost Type
- 2: Cost Type/Cost Code

## 51/CC (Category Codes)

The JD Edwards EnterpriseOne system provides hard-coded values for category code values 01–50.

## 51/CN (Column Type)

Verify that these hard-coded values exist in your system:

- 1: Ledger Type
- 2: Non-JA Budget Amount Ledgers
- 3: Non-JA Budget Unit Ledgers
- 4: Billing Amount
- 5: Formula
- 6: Percent Complete
- 7: Visual Alerts

## 51/FF (Formula Factor)

Verify that these hard-coded values exist in your system:

- \* (Multiply)
- + (Add)
- - (Subtract)
- / (Divide)

## 51/OP (Alert Indicator)

Verify that these hard-coded values exist in your system:

- 0: Greater Than or Equal to
- 1: Less Than or Equal to

## 51/SM (Summarize)

Verify that these hard-coded values exist in your system:

- 01: Job
- 02: Project
- 03: Company
- 04: Job Category Code
- 05: Supervisor
- 06: Owner Address
- 07: Address Number 1

- 08: Address Number 2
- 09: Address Number 3
- 10: Address Number 4
- 11: Address Number 5
- 12: State
- 13: Contract Type
- 14: Account Category Code
- 15: Alternate Cost Code

## 51/TM (Totaling Method)

Verify that these hard-coded values exist in your system:

- Blank: Sum
- 1: Average-Exclude zero amounts
- 2: Average-Include zero amounts
- 3: None

## Setting Up Next Numbers

When you save results, the system assigns a view ID to the saved results using the next numbers that you set up on line 8 for system 51 in the Next Numbers (P0002) program. The system saves the view ID, along with other identifying information in the Project Status Inquiry Results Header table (F51X30). You can save results when you use the Submit Project Status Inquiry View (R51X0300), Work with Project Status Inquiry (P51X0200), or Project Status Inquiry (P51X0210) programs.

Before you use the project financial management process, verify that line 8 of system 51 is set up to number the view ID.

See *"Setting Up Next Numbers" in the JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide* .

## Setting Up Account Ranges

This section provides an overview of account ranges and discusses how to set up an account range name.

## Understanding Account Ranges

You can set up account ranges to restrict the accounts that the system displays in the Project Status Inquiry form. You use the Project Status Inquiry Account Ranges program (P51X100) to specify the account range name and whether to sequence the accounts by cost type and then cost code, or by cost code and then cost type. The system saves the account range information in the Account Range Table (F51X100).

When you set up account ranges, you:

- Can specify multiple account ranges.
- Can specify account ranges that overlap.
- Do not need to specify contiguous account ranges.

For example, you could set up these ranges under one account range name:

- 1001 – 2000
- 1800 – 2799

This range overlaps with the 1001 – 2000 range.

- 5000–5499

This range is not contiguous with the 1001 – 2000 or 1800 – 2799 ranges.

You can use the account range names that you set up when you set up visual alert columns and when you specify your selection criteria on the Work with Project Status Inquiry form.

## Account Range Names in Visual Alert Columns

You can use the account range names that you set up in the Project Status Inquiry Account Ranges program when you set up column definitions for visual alerts. When you specify an account range in a visual alert column, the system applies the alert thresholds to only the accounts within the specified range.

See [Setting Up Columns with Visual Alerts](#).

## Sort Order for Account Range Names

When you set up account range names, you specify the sort order of the accounts. You can specify to use either the **Cost Type/Cost Code** or the **Cost Code/Cost Type** order.

You also specify a sort order when you specify your selection criteria on the Work with Project Status Inquiry form. Because the sort order of the account range that you use must match the sort order that you specify on the Work with Project Status Inquiry form, the system allows you to select only account range names that are assigned the sort order that you select on the Work with Project Status Inquiry form. For example, if you select the **Cost Code/Cost Type** option in the Sequence by field on the Work with Project Status Inquiry form, then you can select from only the account range names that are assigned the **Cost Code/Cost Type** sort order in the Account Range Name field.

See [Cost Sequences](#).

## Setting Up an Account Range Name

To set up an account range name:

1. Access the Project Status Inquiry Account Ranges form.

Form Name	Form ID	Navigation
Project Status Inquiry Account Ranges	W51X100A	Project Status Inquiry (G51411).
		Project Status Inquiry Account Ranges (P51X100).

Form Name	Form ID	Navigation
		Click Add on the Work with Project Status Inquiry Account Ranges form.

2. Enter values in these fields:

**Account Range Name**

Enter a name for the account range. You will use this name to enter the account range when you specify a range for a visual alert column or on the Work with Project Status Inquiry form. This field is required.

**Description**

Enter a description for the account range. This field is optional.

**Sequence by**

Select **Cost Code/Cost Type** to sequence the account range by cost code. Alternatively, select **Cost Type/Cost Code** to sequence the account range by cost type.

**Cost Code From**

Specify the beginning of the account range. You complete this field only when you select **Cost Code/Cost Type** in the Sequence by field.

**Cost Code Thru**

Specify the end of the account range. You complete this field only when you select **Cost Code/Cost Type** in the Sequence by field.

**Cost Type From**

Specify the beginning of the account range. You complete this field only when you select **Cost Type/Cost Code** in the Sequence by field.

**Cost Type Thru**

Specify the end of the account range. You complete this field only when you select **Cost Type/Cost Code** in the Sequence by field.

3. Click OK.



# 6 Setting Up Columns, Formulas, and Visual Alerts (Release 9.2 Update)

## Understanding Inquiry Columns

When you use Project Status Inquiry, you determine the data to include. For example, you can specify that you want to see actual amounts and units from the AA and AU ledgers, or unbilled amounts for a job. To instruct the system to include the desired data, you create column definitions that specify the data to include.

When you set up column definitions, you specify features such as the column name; column type; whether the column is for amounts or units; whether the column is for a budget; and so on. You use the Project Status Inquiry Column Definitions program (P51X90) to set up column definitions. The system saves the column definitions to the Column Definition table (F51X90).

After you set up column definitions, you can group the definitions together in a column layout. Grouping column definitions into column layouts enables you to quickly identify and use multiple columns to include in your selection criteria.

You use the column definitions and column layouts in the Work with Project Status Inquiry program (P51X0200) to specify the data to view in the Project Status Inquiry program (P51X0210).

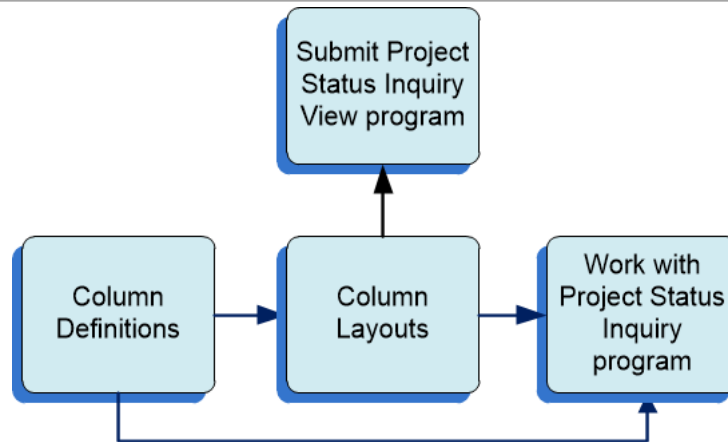
To use the column definitions and layouts, you can:

- Specify a column layout in the Work with Project Status Inquiry form to display the columns in the Project Status Inquiry form.
- Omit specifying a column layout name in the Work with Project Status Inquiry form and instead select the column definitions that you want to use by selecting the column definitions on the Columns 1–20 and Columns 21–40 tabs in the Work with Project Status Inquiry program.
- Specify the column layout to use, and then add additional column definitions to your inquiry criteria by selecting the additional columns on the Columns 1–20 and Columns 21–40 tabs.

Including columns by identifying them in the Work with Project Status Inquiry program instead of, or in addition to, using a column layout enables you to make immediate changes to the list of columns to use. You can also remove from the inquiry criteria the columns that you do not want to use.

Whichever method you prefer, you use the column definitions and layouts to select the data to view in the Project Status Inquiry program. You can set up as many column definitions as required for your business needs, and can include up to 40 column definitions in a column layout and in the Work with Project Status Inquiry program.

This image illustrates the setup and use of column definitions and column layouts:



When you use columns in the Project Status Inquiry Column Layout program (P51X91), the Work with Project Status Inquiry program and the Project Status Inquiry program, you can view the details about the column such as the column type, the totaling method, and whether as if currency is enabled for the column. See *Column Information Hover Forms*.

## Understanding Column Types

You can set up columns for various column types. The type of column that you specify in the column definition determines the other factors that you identify for the column definition. The system provides hard-coded values for column types in the Column (51X/CT) UDC table.

This table lists the column types and their usage:

Column Type	Usage
1: Ledger Type	Use this column type to include values from a ledger type that you specify. For example, you can create a column definition for the Actual Amounts (AA) ledger to include the AA ledger amounts. When you use the column when you specify your data selection, the process includes the ledger amounts from the Account Balances table (F0902) for the jobs that you include in your data selection.  The ledger type must exist in the Ledger Type Master File (F0025).  See <i>Setting Up Columns for Ledger Types</i> .
2: Non-JA Budget Amount Ledgers	Use this column type to include amounts from ledger types for which the Revised Budget Ledger option is enabled in the F0025 table. When you use this column type the system retrieves amounts from all budget amount ledgers except the JA ledger.  See <i>Setting Up Columns with Billing Amounts</i> .
3: Non-JA Budget Unit Ledgers	Use this column type to include amounts from ledger types for which the Revised Budget Ledger option is enabled in the F0025 table. When you use this column type the system retrieves units from all budget unit ledgers except the JU ledger.  See <i>Setting Up Columns for Non-JA and Non-JU Budget Ledgers</i> .
4: Billing Amount	Use this column type to include values for billing amounts, such as billed, unbilled, earned, and revenue amounts. You select a value from the Billing Amount (51X/BA) UDC table to specify which



Column Type	Usage
	<p>billing amount to include. For example, you can create a column definition for the total billed amounts. When you use the column when you specify your data selection, the process includes the total billed amounts from the Billing Workfile History table (F4812H) for the jobs that you include in your data selection.</p> <p>See <i>Setting Up Columns with Billing Amounts</i>.</p>
5: Formula	<p>Use this column type to create columns for formulas that use existing columns and arithmetic operators to build a formula. For example, you could create a ledger type column for ledger AA and a ledger type column for ledger AU and then create a formula column to divide the AA column by the AU column and show the result in the formula column when you view the job and cost details.</p> <p>The system enables the fields in the Formula section when you use this column type.</p> <p>See <i>Setting Up Columns with Formulas</i>.</p>
6: Percent Complete	<p>Use this column type to have the system calculate the percent complete for the AA, AU, HA, and HU ledger types according to the method of computation associated with the accounts for the ledger.</p> <p>If you want to display values for the F% ledger, use the Ledger Type column type.</p> <p>See <i>Setting Up Columns with Percent Complete</i>.</p>
7: Visual Alerts	<p>Use this column type to set up indicators to alert you when amounts exceed a threshold that you specify. When you set up this column type, you specify a ledger type, billing amount, or formula column, and specify the threshold levels that trigger the alerts.</p> <p>The system enables the fields on the Visual Alerts section when you use this column type.</p> <p>See <i>Setting Up Columns with Visual Alerts</i>.</p>

**Note:** You cannot modify or delete a column that is used in a formula column. If you need to modify a column definition that is included in a formula column definition, you must first remove from the formula column the column that you want to modify or delete. For example, if you include a ledger type column in a formula and need to modify the ledger type column, you must first remove ledger type column from the formula column.

## Understanding Totaling Methods

For all column types except the visual alert column type, you can complete the Totaling Method field to specify whether to sum or average amounts, or to apply no totaling method. The system applies the totaling method that you select to the summary records in the Project Status Inquiry form.

The totaling methods are:

- **Sum**

When you select this option, the system sums amounts and displays the summed amounts in the Summary or Account Details subforms. For example, suppose that you have four records with these amounts:

- Record 1 = 100

- Record 2 = 300
- Record 3 = 0
- Record 4 = 400

When you apply the Sum totaling method, the system adds the values and displays the total in the Project Status Inquiry form. The total for the records listed is:  $100+300+0+400 = 800$ .

The system applies level of detail totaling for only columns that use the Sum totaling method.

Sum is the default value.

- **Average - Exclude zero amounts**

When you select this option, the system accumulates amounts, excluding zero amounts, and then calculates an average for the amounts. For example, suppose that you have four records with these amounts:

- Record 1 = 100
- Record 2 = 300
- Record 3 = 0
- Record 4 = 400

When you apply the Average - Exclude zero amounts totaling method, the system adds the values excepting the 0 values, and then divides the total by the number of records. The system then displays the averaged amount in the Project Status Inquiry form. The average excluding zero amounts for the records listed is:  $100+300+400 = 800$ , and then 800 divided by 3 records, for a total of 266.67.

- **Average - Include zero amounts**

When you select this option, the system accumulates amounts, including zero amounts, and then calculates an average for the amounts. For example, suppose that you have four records with these amounts:

- Record 1 = 100
- Record 2 = 300
- Record 3 = 0
- Record 4 = 400

When you apply the Average - Include zero amounts totaling method, the system adds the values including the 0 values, and then divides the total by the number of records. The system then displays the averaged amount in the Project Status Inquiry form. The average including zero amounts for the records listed is:  $100+300+0+400 = 800$ , and then 800 divided by 4 records, for a total of 200.

- **None**

When you select this option, the system does not generate records for the totals of the columns.

You cannot specify a totaling method for visual alert columns. See *Setting Up Columns with Visual Alerts*.

## Summary Option Effect on Totaling Methods

The system uses the totaling method along with the Summarize by option that you specify in the Work with Project Status Inquiry or Project Status Inquiry programs to determine how to display job, summary, and detail records. The Summarize by option enables you to specify whether to generate totals by these summarization options:

- Job
- Project
- Company
- Job Category Code

When you select this value, the system displays the Category Code list from which you select the specific job category code to use for summarization.

- Supervisor
- Owner Address
- Address Number 1
- Address Number 2
- Address Number 3
- Address Number 4
- Address Number 5
- State
- Contract type
- Account Category Code

When you select this value, the system displays the Category Code list from which you select the specific account category code to use for summarization.

- Alternate Cost Code

## Examples of Totaling Methods with Summarize by Options

Suppose that you set up columns with these totaling methods:

- Column 1: Sum
- Column 2: Average - Exclude Zero Amounts
- Column 3: Average - Include Zero Amounts
- Column 4: None (no totaling method)

The summary totals that the system displays in the Summary and Account Details subforms of the Project Status Inquiry form differ depending on the Summarize by option that you select.

Suppose that you run the process for a project and summarize the results using the Job summary option. The system displays the following information in the Project Status Inquiry form:

- The Summary subform includes a line for each job in the project.
  - Column 1 includes totals that are the sum of amounts of all detail records.

- Column 2 includes totals that are the average of all detail records excluding accounts with zero amounts.
- Column 3 includes totals that are the average of all detail records including accounts with zero amounts.
- Column 4 shows 0 (zero) for the total.
- The Account Details subform includes a line for each account for the selected job. The system always applies the Sum totaling method to detail lines.

You can select a different summary option and resummarize the results. Suppose that you resummarize the results by the Supervisor, State, or Account Category Code options. When you resummarize the results, the values for the totals change. The system displays this information in the Project Status Inquiry form when you summarize by a factor that is associated with a job or account:

- The Summary subform includes a line for each instance of the job summary option for all jobs in the project. If you also display job records, both the summary and job records display column amounts with the totaling method applied.  
The job and summary totals for the columns are:
  - Column 1 includes the sum of the amounts of all details records.
  - Column 2 includes totals that are the average of all detail records excluding accounts with zero amounts.
  - Column 3 includes totals that are the average of all detail records including accounts with zero amounts.
  - Column 4 shows 0 (zero) for the totals.
- The Account Details subform includes a line for each account for the job option selected in the Summary subform. The system always applies the Sum totaling method to detail lines.

## Understanding the As If Currency Enabled Option

You might need to convert the amounts displayed in the Project Status Inquiry form to a currency other than the base currency for a company. You can specify whether to enable as if currency processing for these column types:

- Non-JA Budget Amount Ledgers
- Billing Amount  
Only certain billing amount options enable you to use as if currency processing. For example, you cannot enable as if currency processing for billing amounts for units.
- Formula
- Ledger Type  
Though you can select the As If Currency Enabled check box for any ledger type, the system does not apply as if currency processing to ledgers set up as unit ledgers.

The system displays amounts on the Project Status Inquiry form in the as if currency only when you complete this set up:

- You activate multicurrency processing by entering **Y** or **Z** in the Multi-Currency Conversion (Y, N, Z) field in the General Ledger constants for your JD Edwards EnterpriseOne system.
- You select the As If Currency Enabled option for the column.
- You specify a valid as if currency code in the As If Currency Code field on the Work with Project Status Inquiry form.

Valid as if currencies are those that exist in the Currency Codes table (F0013). You can also specify this value in a processing option to provide a default value for the field on the Work with Project Status Inquiry form.

- You specify the currency exchange rate date in the Currency Code Exchange Rate Date field on the Work with Project Status Inquiry form if you want to use a date other than the current date.

An exchange rate record for the base and as if currencies must exist in the Currency Exchange Rates table (F0015). You can also specify this value in a processing option to provide a default value for the field on the Work with Project Status Inquiry form.

When you process job and billing records and include columns for which as if currency processing is enabled, the system does not use soft rounding. Because the system does not use soft rounding, rounding variances might occur in the displayed amounts.

You might run the project financial management process for multiple companies that have different currencies. When you enable as if currency processing, the system displays the amounts for all companies in the as if currency. For example, suppose that you have a company with a base currency of USD (US dollars), one with a base currency of YEN (Japanese Yen), and one with a base currency of EUR (Euro) and you want to show all amounts in EUR. When you run the process, the system uses the exchange rate information from the F0015 table to convert the display of the USD and YEN amounts to EUR. Because the amounts for the third company is already in EUR, no currency calculations are performed for the amounts for that company.

## Understanding Decimal Display Values

When you process records to view, the system applies default decimal display values unless you override the default values.

For columns for amounts, the default decimal display is the number of decimal places for the currency assigned to the company, or the number of decimals for the as if currency if you specify to process records using an as if currency. If the column is for units, then the default value for the number of decimal places is the number of decimal places set up for the Units data item (data item U). If the column is for a unit price, then the default value for the number of decimal places is the number of decimal places set up for the Unit Price data item (data item UP).

You enter a value from 0-9 in the Decimal Display Override field if you want to use a value other than the default value. The system displays up to nine decimal places in the Project Status Inquiry form whether the decimal value is from a default value for the currency or data item, or whether you enter an override value.

## Setting Up Columns for Ledger Types

This section provides an overview of ledger type columns and discusses how to set up a column definition for a ledger type.

### Understanding Ledger Type Columns

When you set up ledger type columns, you specify a ledger type to include in the column. You specify elements such as whether the ledger is for a budget, which totaling method to apply to the column, and whether to enable as if currency for the column.

For most ledger types, the system obtains values to display in the Project Status Inquiry form from the Account Balances table (F0902). However, for the AA (account actual) and AU (account unit) ledger types, the system obtains values from the F0902 table, the Account Ledger table (F0911), or both the F0902 and F0911 tables based on your date selection and the value that you specify for the G/L posting code. See *G/L Posted Code*.

You can use ledger type columns as segments in formulas, and can select a ledger type column as the basis column for a visual alert column.

See *Setting Up Columns with Formulas* and *Setting Up Columns with Visual Alerts*.

## Setting Up a Column Definition for a Ledger Type

To set up a column definition for a ledger type:

1. Access the Project Status Inquiry Column Definitions form.

Form Name	Form ID	Navigation
Project Status Inquiry Column Definitions	W51X90B	Project Status Inquiry (G51411).  Column Definitions (P51X90).  Click Add on the Work with Project Status Inquiry Column Definitions form.

Form Name	Form ID	Navigation

**Column Definitions - Project Status Inquiry Column Definitions** Personal Form: (No Personalization) Layout: (No Layout)

✓ ✕ ⚙ Tools

Column Name *	AABASE	Budget Flag	Non-Budget
Description *	AA Based Column	Totaling Method	Sum
Column Heading *	AA Based Column	Display Decimal Override	
Column Type *	Ledger Type	Scaling Multiplier	
Ledger Type	AA <i>General Ledger</i>	<input type="checkbox"/> Units Flag	
Billing Amount	None	<input type="checkbox"/> Header Units Flag	
		<input type="checkbox"/> As if Currency Enabled	

▶ Visual Alerts

▶ Formula

2. Enter values in these fields and select or clear the options:

**Column Name**

Enter a name for the column that you create. This field is required.

**Description**

Enter a description for the column that you create. This field is required.

**Column Heading**

Enter the name that you want to use for a label for the column when the column name appears in the Work with Project Status Inquiry and Project Status Inquiry forms. This field is required.

**Column Type**

Select **Ledger Type**.

**Ledger Type**

Select a value from the Ledger Type (09/LT) UDC table to specify the ledger type for the column. The value that you enter must also exist in the Ledger Type Master File (F0025). You must complete this field when you select **Ledger Type** in the Column Type field.

Examples of values are:

**AA:** Actual amounts

**AU:** Actual units

**JA:** Budget amounts

**JU:** Budget units

**Budget Flag**

Select an option to specify whether the ledger type for the column is budget ledger. If the system can determine that the ledger type that you selected is *not* for a budget, then the system disables the Budget Flag field.

Values are:

**Non-Budget****Original Budget****Revised Budget****Totaling Method**

Select an option to specify whether the system sums or averages the values in the column, or whether the system does not apply any totaling method. See *Understanding Totaling Methods*.

Values are:

**Average - Exclude zero amounts.** The system does not include zero amounts when it averages the values in the column.

**Average - Include zero amounts.** The system includes zero amounts when it averages the values in the column.

**None.** The system does not apply a totaling method to the column values.

**Sum.** The system adds the values in the column. This is the default value.

**Display Decimal Override**



Enter the number of decimal places to override the default decimal value for the currency amount, unit, or unit price of the column. See [Understanding Decimal Display Values](#).

#### Scaling Multiplier

Enter the factor by which the system multiplies amounts or units in a column. The system multiplies the accumulated amounts by the multiplier factor before it displays the result on the Project Status Inquiry form.

For example, if you want to scale large numbers to thousands, enter.001. If you want percentages to appear as whole numbers, enter 100.

#### Units Flag

If you selected a ledger type that is for units, select this check box to indicate that the ledger type is for units. If the system can determine that the ledger type is for units, then the system selects the check box for you.

#### Header Units Flag

If you selected the Units Flag check box, select the Header Units Flag check box to use header units instead of account units.

#### As If Currency Enabled

Select this check box to enable as if currency processing. If you select this check box and enter a currency code when you specify your data in the Work with Project Status Inquiry program (P51X0200), the system calculates the values for the column in the currency specified on the Work with Project Status Inquiry program, and displays the values in the as if currency on the Project Status Inquiry form.

3. Click OK.

## Setting Up Columns for Non-JA and Non-JU Budget Ledgers

This section provides an overview of columns for non-JA and non-JU budget ledgers, and discusses how to:

- Set up a column definition for non-JA budget amount ledgers.
- Set up a column definition for non-JA budget unit ledgers.

## Understanding Columns for Non-JA and Non-JU Budget Ledgers

You can set up columns that include all budget amount ledgers or all budget unit ledgers. The system uses the value in the Flag - Job Cost Revise Budget Amt Ldgr field (data item FBL) to determine whether a ledger type is for a budget amount or unit that can be revised.

You can use the non-JA budget amount ledger and the non-JU budget unit ledger column definitions in formula columns and as the basis column for visual alert columns.

See [Setting Up Columns with Formulas](#) and [Setting Up Columns with Visual Alerts](#).

# Setting Up a Column Definition for Non-JA Budget Amount Ledgers

To set up a column definition for non-JA budget amount ledgers:

1. Access the Project Status Inquiry Column Definitions form.

Form Name	Form ID	Navigation
Project Status Inquiry Column Definitions	W51X90B	Project Status Inquiry (G51411).  Column Definitions (P51X90).  Click Add on the Work with Project Status Inquiry Column Definitions form.

**Column Definitions - Project Status Inquiry Column Definitions**

Personal Form: (No Personalization) | Layout: (No Layout)

Tools

Column Name \* VA

Description \* VA Original Budget Amount

Column Heading \* VA Original Budget Amount

Column Type \* Non-JA Budget Amount Ledg

Ledger Type

Billing Amount None

Budget Flag Original Budget

Totaling Method Sum

Display Decimal Override

Scaling Multiplier

Units Flag

Header Units Flag

As if Currency Enabled

Visual Alerts

Formula

2. Enter values in these fields and select or clear the options:

**Column Name**

Enter a name for the column that you create. This field is required.

**Description**

Enter a description for the column that you create. This field is required.

**Column Heading**

Enter the name that you want to use for a label for the column when the column name appears in the Work with Project Status Inquiry and Project Status Inquiry forms. This field is required.

**Column Type**

Select **Non-JA Budget Amount Ledgers**.

**Budget Flag**

Select an option to specify whether to include original or revised budgets.

Values are:

**Original Budget**

**Revised Budget**

**Totaling Method**

Select an option to specify whether the system sums or averages the values in the column, or whether the system does not apply any totaling method. See *Understanding Totaling Methods*.

Values are:

**Average - Exclude zero amounts.** The system does not include zero amounts when it averages the values in the column.

**Average - Include zero amounts.** The system includes zero amounts when it averages the values in the column.

**None.** The system does not apply a totaling method to the column values.

**Sum.** The system adds the values in the column. This is the default value.

**Display Decimal Override**

Enter the number of decimal places to override the default decimal value for the currency amount, unit, or unit price of the column. See *Understanding Decimal Display Values*.

**Scaling Multiplier**

Enter the factor by which the system multiplies amounts or units in a column. The system multiplies the accumulated amounts by the multiplier factor before it displays the result on the Project Status Inquiry form.

For example, if you want to scale large numbers to thousands, enter.001. If you want percentages to appear as whole numbers, enter 100.

**As If Currency Enabled**

Select this check box to enable as if currency processing. If you select this check box and enter a currency code when you specify your data in the Work with Project Status Inquiry program (P51X0200), the system calculates the values for the column in the currency specified on the Work with Project Status Inquiry program, and displays the values in the as if currency on the Project Status Inquiry form.

See *Understanding the As If Currency Enabled Option*.

3. Click OK.

## Setting Up a Column Definition for Non-JU Budget Unit Ledgers

To set up a column definition for non-JU budget unit ledgers:

1. Access the Project Status Inquiry Column Definitions form.

Form Name	Form ID	Navigation
Project Status Inquiry Column Definitions	W51X90B	<p>Project Status Inquiry (G51411).</p> <p>Column Definitions (P51X90).</p> <p>Click Add on the Work with Project Status Inquiry Column Definitions form.</p>

**Column Definitions - Project Status Inquiry Column Definitions**

Personal Form: (No Personalization) | Layout: (No Layout)

Tools

Column Name \*  Budget Flag

Description \*  Totaling Method

Column Heading \*  Display Decimal Override

Column Type \*  Scaling Multiplier

Ledger Type   Units Flag

Billing Amount   Header Units Flag

As if Currency Enabled

Visual Alerts

Formula

2. Enter values in these fields and select or clear the options:

**Column Name**

Enter a name for the column that you create. This field is required.

**Description**

Enter a description for the column that you create. This field is required.

**Column Heading**

Enter the name that you want to use for a label for the column when the column name appears in the Work with Project Status Inquiry and Project Status Inquiry forms. This field is required.

**Column Type**

Select **Non-JA Budget Unit Ledgers**.

**Budget Flag**

Select an option to specify whether to include original or revised budgets.

Values are:

**Original Budget**

**Revised Budget**

**Totaling Method**

Select an option to specify whether the system sums or averages the values in the column, or whether the system does not apply any totaling method. See *Understanding Totaling Methods*.

Values are:

**Average - Exclude zero amounts.** The system does not include zero amounts when it averages the values in the column.

**Average - Include zero amounts.** The system includes zero amounts when it averages the values in the column.

**None.** The system does not apply a totaling method to the column values.

**Sum.** The system adds the values in the column. This is the default value.

**Display Decimal Override**

Enter the number of decimal places to override the default decimal value for the currency amount, unit, or unit price of the column. See *Understanding Decimal Display Values*.

**Scaling Multiplier**

Enter the factor by which the system multiplies amounts or units in a column. The system multiplies the accumulated amounts by the multiplier factor before it displays the result on the Project Status Inquiry form.

For example, if you want to scale large numbers to thousands, enter.001. If you want percentages to appear as whole numbers, enter 100.

**Units Flag**

The system selects this check box because the column type is for units.

**Header Units Flag**

Select the Header Units Flag check box to use header units instead of account units.

3. Click OK.

## Setting Up Columns with Billing Amounts

This section provides an overview of billing amount columns and discusses how to set up a column definition for a billing amount.

### Understanding Billing Amount Columns

If you specify **Billing Amount** for the column type, you must select the type of billing amount to use. The value that you specify in the Billing Amount field determines which of these tables the system accesses to retrieve values:

- Billing Detail Workfile (F4812)
- Billing Workfile History (F4812H)
- Customer Ledger (F03B11)
- Invoices Summary Workfile (F4822)

### Billing Amounts and Lines

You can select from these billing amount types:

- Billed Net
- Billed Tax
- Billed Total
- Billed Unit Price
- Billed Units
- Earned Amount
- Earned Unit Cost
- Earned Units
- Net Revenue
- Received Amount
- See *Proration of Billing Lines*.
- Retained Amount
- See *Proration of Billing Lines*.
- Revenue Not Recognized
- Revenue Recognized
- Revenue in Excess of NTE (not to exceed)
- Unbilled Net
- Unbilled Tax
- Unbilled Total
- Unbilled Unit Price

- Unbilled Units

You can set a processing option in the Work with Project Status Inquiry program (P51X0200) to suppress billing amount column definitions to prevent unauthorized users from viewing billing amounts. See *Billing Amount Columns*.

## Proration of Billing Lines

When you set up columns using the **Received Amount** or **Retained Amount** values in the Billing Amount field, the system prorates billing amounts between multiple jobs if more than one job is associated with a contract. The system calculates the prorated amounts when you process job and billing amount records.

### Example of Proration

Suppose that you have a contract to build a warehouse. You have multiple business units (jobs) associated with the warehouse contract, as shown in this list:

- A105: Demolition
- A110: Grading
- A115: Foundation

At the end of the period, you bill 5000 USD for the contract, which is the combined total of the amounts due for the demolition, grading, and foundation work. Of the 5000 total billed, 1500 (30%) is for job A105, 1500 (30%) is for job A110, and 2000 (40%) is for job A115. The F4812H table will have one billing line number that totals 5000, but the amounts are shown as three entries because you have three jobs, as illustrated in this list:

- A105: 1500
- A110: 1500
- A115: 2000

You bill the customer for 5000 USD. The retainage amount, per the contract, is 10%, or 500 USD.

The F4822 table shows one billing line with one entry for 5000 (invoice number 123). It also shows the retainage amount for the billing line, as illustrated in this table:

Contract	Line Number	Invoice Number	This Period (billed)	Retainage
Warehouse	0.1	123	5000	500

The customer remits 4000 (received amount). The open amount (1000) is the gross amount (5000) less the received amount (4000). The system uses the difference between the gross amount and the open amount to calculate the received amount that is prorated in the project financial management process. The F03B11 table includes a line for the invoice, which includes the gross amount and the open amount, as illustrated in this table:

Contract	Line Number	Invoice Number	This Period (billed)	Retainage
Warehouse	0.1	123	5000	500

When the project management financial process calculates the received amount values for the three jobs, it prorates the received amount (4000) between the three jobs based on the percentage of the received amount to the billed amount. In this example, jobs A105 and A110 were each 30% of the total billed, so the prorated amount for each is 30% of the

total received ( $4000 \times 30\% = 1200$ ). Likewise, job A115 comprised 40% of the total billed, so the prorated amount is 40% of the total received amount ( $4000 \times 40\% = 1600$ ). This table shows the prorated amounts calculated by the system:

Job (Business Unit)	Billed Amount	Total Billed	Open Amount	Total Received	Prorated Amount
A105	1500	5000	1000	4000	1200
A110	1500	5000	1000	4000	1200
A115	2000	5000	1000	4000	1600
	(5000 total amount billed)				(4000 total amount received)

Similarly, the project financial management process calculates the retainage amount values for the three jobs, it prorates the retainage amount (500) between the three jobs, based on the percentage of the retainage amount to the billed amount. In this example, the retainage is 10%, so the system calculates 10% of the billed amount for each job.

Job (Business Unit)	Billed Amount	Total Billed	Total Retained	Prorated Amount
A105	1500	5000	500	150
A110	1500	5000	500	150
A115	2000	5000	500	200
	(5000 total amount billed)			(500 total retained amount)

## Setting Up a Column Definition for a Billing Amount

To set up a column definition for a billing amount:

1. Access the Project Status Inquiry Column Definitions form.

Form Name	Form ID	Navigation
Project Status Inquiry Column Definitions	W51X90B	Project Status Inquiry (G51411).  Project Status Inquiry Column Definitions (P51X90).  Click Add on the Work with Project Status Inquiry Column Definitions form.



**Column Definitions - Project Status Inquiry Column Definitions** Personal Form: (No Personalization) Layout: (No Layout)

✓ ✕ ⚙ Tools

Column Name *	BTO	Budget Flag	Non-Budget
Description *	Billed Total	Totaling Method	Sum
Column Heading *	Billed Total	Display Decimal Override	
Column Type *	Billing Amount	Scaling Multiplier	
Ledger Type		<input type="checkbox"/> Units Flag	
Billing Amount	Billed Total	<input type="checkbox"/> Header Units Flag	
		<input checked="" type="checkbox"/> As if Currency Enabled	

▶ Visual Alerts

▶ Formula

2. On the Project Status Inquiry Column Definitions form, enter values in these fields and select or clear the options:

**Column Name**

Enter a name for the column that you create. This field is required.

**Description**

Enter a description for the column that you create. This field is required.

**Column Heading**

Enter the name to appear for the column heading in the Project Status Inquiry form. This field is required.

**Column Type**

Select **Billing Amount**.

**Billing Amount**

Select the type of billing amount for the column definition.

Values are:

**Billed Net**

**Billed Tax**

**Billed Total**

**Billed Unit Price**

**Billed Units**

**Earned Amount**

**Earned Unit Cost**

**Earned Units**

**Net Revenue**

**Received Amount**

**Retained Amount**

**Revenue Not Recognized**

**Revenue Recognized**

**Revenue in excess of NTE Limits**

**Unbilled Net**

**Unbilled Tax**

**Unbilled Total**

**Unbilled Unit Price**

**Unbilled Units**

**Totaling Method**

Select an option to specify whether the system sums or averages the values in the column, or whether the system does not apply any totaling method. See *Understanding Totaling Methods*.

Values are:

**Average - Exclude zero amounts.** The system does not include zero amounts when it averages the values in the column.

**Average - Include zero amounts.** The system includes zero amounts when it averages the values in the column.

**None.** The system does not apply a totaling method to the column values.

**Sum.** The system adds the values in the column. This is the default value.

#### Display Decimal Override

Enter the number of decimal places to override the default decimal value for the currency amount, unit, or unit price of the column. See *Understanding Decimal Display Values*.

#### Scaling Multiplier

Enter the factor by which the system multiplies amounts or units in a column. The system multiplies the accumulated amounts by the multiplier factor before it displays the result on the Project Status Inquiry form.

For example, if you want to scale large numbers to thousands, enter.001. If you want percentages to appear as whole numbers, enter 100.

#### As If Currency Enabled

Select this check box to enable as if currency processing. For Billing Amount column types, the system enables this option for all billing amount types *except* Billed Units, Earned Units, and Unbilled Units.

If you select this check box and enter a currency code when you specify your data in the Work with Project Status Inquiry program (P51X0200), the system calculates the values for the column in the currency specified on the Work with Project Status Inquiry program, and displays the values in the as if currency on the Project Status Inquiry form.

See *Understanding the As If Currency Enabled Option*.

3. Click OK.

## Setting Up Columns with Formulas

This section provides an overview of formula columns, lists a prerequisite, and discusses how to set up a column definition for a formula.

### Understanding Formula Columns

You can set up formula column definitions to have the system calculate values based on other columns that you set up. When you set up formula column definitions, you build formulas using existing columns and arithmetic operators for multiplication, division, addition, and subtraction. Each column that you specify in the formula is a segment. You select a segment, then an operator, then another segment. As you select segments and operators, the system shows the formula in the Formula field. You cannot edit the Formula field. If you need to remove a segment or operator from the Formula field, click the Clear Last button to remove the last segment or operator, or click the Clear All button to remove the entire formula.

You can include up to ten segments and nine operators in a formula. You must begin and end the formula with a segment. You can reuse the segments and operators as needed. For example, you can use a ledger type column that you set up for the AA ledger as more than one segment in the formula.

## Formula Segments

The Formulas section on the Project Status Inquiry Column Definitions form provides Segment buttons that you use to select the columns to include in the formula. When you click the Segment button associated with the column type that you want to include in the equation, the system displays a list of columns of that type. You can then select the specific column to include in the equation. For example, when you click the Billing Amounts button, the system displays a list of the columns that are set up as billing amount columns.

You can select segments, and thus columns, for these column types:

- Ledger Types
- Non-JA Budget Amount Ledgers
- Non-JA Budget Unit Ledgers
- Billing Amounts
- Formulas

See *Formula Columns Within Another Formula Column*.

In addition to the column types, the Formulas section includes a segment button for a Numeric Factor. When you click the Numeric Factor button, the system displays a field in which you enter the numeric factor to include in the formula. For example, if you want to divide a segment by a numeric factor, you could select the segment, select the division operator (/), and then click the Numeric Factor button to add the factor by which to divide the column amount in the first segment.

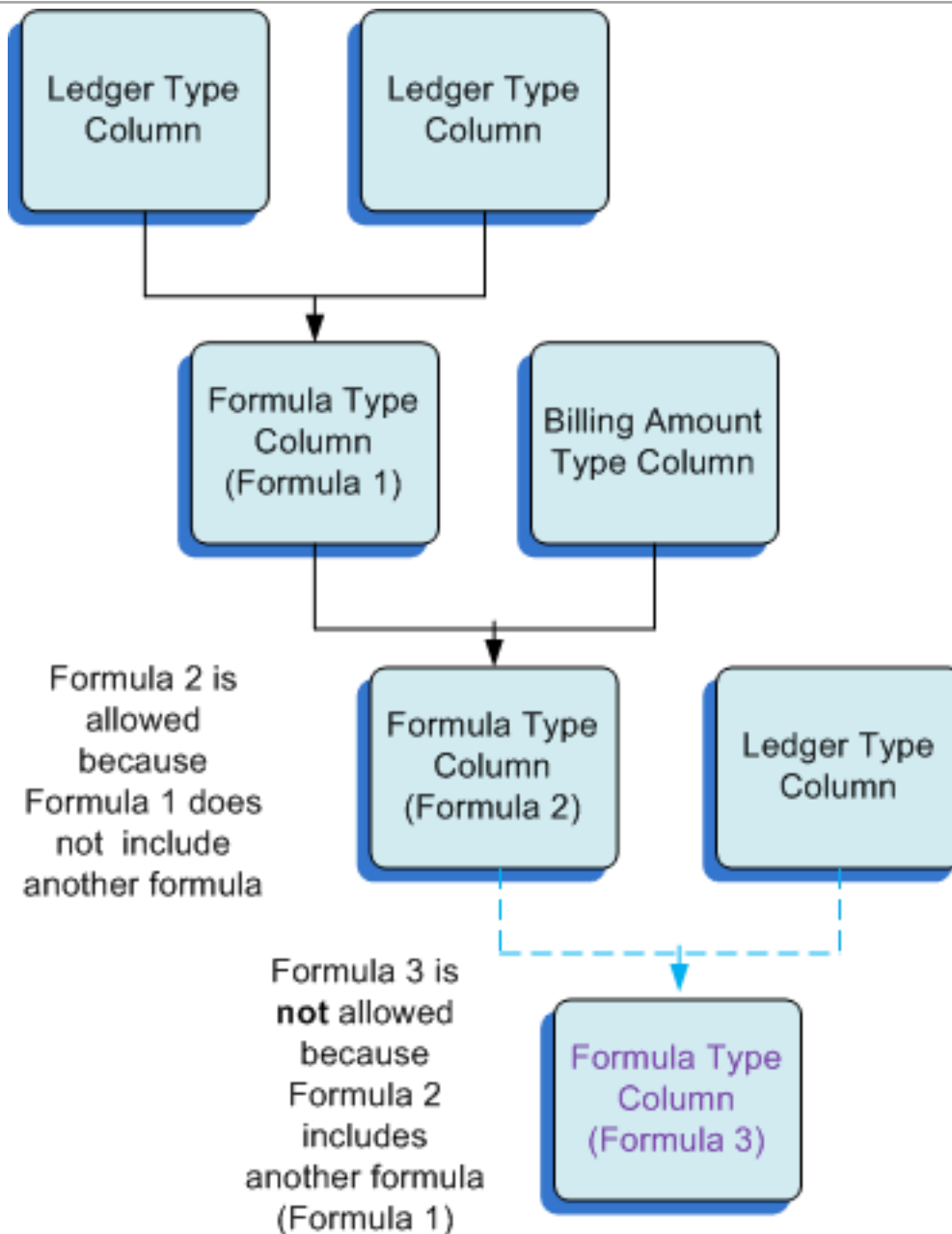
**Note:** If you use 0 (zero) as the denominator in a formula, the result of the formula will always be 0. For example, if you select a column named **COST** as your first segment, then select / (division) as the operator, and then use a numeric factor of 0 for the next segment, the formula would be:  $COST / 0$ . Because you specified to divide by 0, the result of the formula is 0. If you use a column with a 0 result in another column, the system uses 0 for the segment amount. For example, if you create a formula column that is  $A+B+(C/D)$  and the values for the columns are  $A=1000$ ,  $B=1500$ ,  $C=2000$ , and  $D=0$ , then the result is 2500 ( $1000+1500+(2000/0)$ ). Because the system first solves the included formula ( $2000/0 = 0$ ), the system adds  $1000+1500+0$  to return the result of 2500.

As you select segments, the system displays the column name or the column heading of the segment in the Formula Definition field. Select the Use Column Headings check box to view the column headings. Clear the Use Column Headings check box to view column names.

## Formula Columns Within Another Formula Column

You can include formula columns within another formula column if the included column does not include a formula column. For example, if you create a formula (Formula 1) using column segments that do not include another formula, then you can include Formula 1 in another formula (Formula 2). However, if you attempt to create a formula (Formula 3) using a formula column segment (Formula 2) that includes another formula (Formula 1), then the system displays an error message because the formula segment (Formula 2) includes a formula (Formula 1).

This image illustrates that you can use a formula column within another formula only when the included formula column does not include another formula:



When you include a formula (Formula A) within another formula (Formula B), the system solves the included formula (Formula A) before it solves the formula that includes it (Formula B). For example, suppose Formula A is *Cost/Unit* and Formula B is *Project - Formula A*. The system will first divide *Cost* by *Unit*, and then subtract the result of that calculation from *Project* to solve Formula B. The system displays the result of the Formula B column in the Project Status Inquiry program.

You can include multiple formula segments within a formula that you create. For example, you could create a formula (Formula Z) that includes Formula 1 + Formula A. The system solves for Formula 1 and for Formula A, and then adds the results for Formula 1 and Formula A to arrive at the total for Formula Z.

You can view different information about formulas by selecting or clearing the Expand Formula Details check box and the Use Column Headings check box. Selecting the Expand Formula Details check box causes the Project Status Inquiry Column Definitions program to display the names of the columns that are included in the selected formula column

instead of displaying the formula column name. Selecting the Use Column Headings check box causes the program to show column headings instead of column names.

For example, suppose that you have these columns set up in your system:

Column Name	Column Heading	Column Type
AA	Actual Amounts	Ledger
AU	Actual Units	Ledger
CPU	Cost per Unit	Formula The formula in this column is AA/AU.

You want to include the formula column CPU in another column. When you select CPU to include it in a formula column, the information that the system displays in the Formula Definition field differs based on the check boxes that you select, as shown in this table:

Check Boxes Selected	Display in the Formula Definition Field
None	CPU
Expand Column Details only	(AA/AU) When you select only the Expand Column Details check box, the system displays the names of the columns included in the formula.
Use Column Headings only	Cost per Unit When you select only the Use Column Headings check box, the system displays the column heading of the selected formula.
Both Expand Column Details and Use Column Headings	(Actual Amounts/Actual Units)

## Arithmetic Operator Order

The order in which you select column segments and operators is important. When the system reads formulas, it first solves formulas that are within the formula, and then reads the formula from left to right, applying the multiplication operators, then the division operators, then the addition operators, and then the subtraction operators.

For example, suppose that your formula includes these segments and operators:  $SEG1+SEG2/.375+SEG3-SEG4*.5$ . Suppose further that the values for the segments are:

- $SEG1=10000$
- $SEG2=30000$
- $SEG3=50000$

- SEG4=40000

The steps the system uses to resolve the formula are:

1. Calculate or accumulate the values for the segments.

The values in the equation are:  $10000+30000/.375+50000-40000*.5$

2. Next, the system solves the multiplication and division steps, reading the formula from left to right.

The results are:  $10000+(\text{the result of } 30000/.375, \text{ which is } 80000)+50000-(\text{the result of } 40000 *.5, \text{ which is } 20000)$ . The formula now is:  $10000+80000+50000-20000$ .

3. Finally, the system solves the addition and subtraction, resulting in an amount of 120000.

If you need to create a column to calculate values and you need to use addition or subtraction as well as multiplication or division, consider creating a formula column for the addition or subtraction action, and then use that formula column in another formula column to apply the multiplication or division action. When you create a formula column and then use it in another formula column, the system treats the included formula as if it is surrounded by parentheses, so the system solves the included formula first.

In the example discussed in this section, your results would be different if you created formula columns for the addition and subtraction operations, and then used those formulas within another formula. For example, you might create a formula column named ADD that includes  $SEG1+SEG2$ , and create a formula column named SUB that includes  $SEG3-SEG4$ . You could then use those formula columns within a new formula named FORM1. The FORM1 column would include:  $ADD/.375+SUB*.5$ . When the system resolves the FORM1 formula, it will solve the ADD and SUB formulas first, and then apply the multiplication and division operators and the numeric factors. The result is  $(10000+30000)/.375+(50000-40000)*.5$ , which is equal to  $40000/.375+10000*.5$ . The system solves the multiplication and division, and then applies the final addition step. The results are:

$$40000/.375 = 106667$$

$$10000*.5 = 5000$$

$$10667 + 5000 = 111666.$$

See Also [Examples of Formulas](#).

## Examples of Formulas

This example illustrates how you set up formula columns and how the system calculates the values for a formula column.

Suppose that you want to set up columns to calculate these values:

- Variance at Completion
- Actual Budget Spent
- Percent Variance at Completion

You must first set up columns to include the values that you need to use in the formulas. You set up these columns:

- AA

This column is for actual costs and is a ledger type column.

- HA

This column is for projected final costs and is a ledger type column.

- JA

This column is for budgeted costs and is a ledger type column.

Next, you set up formula columns that do not include other formulas. You use the ledger type columns that you set up and create these formula columns:

- Variance at Completion = JA - HA.

You name this column VCOMP. You will use this formula column when you set up a column for the Percent Variance at Completion formula column.

- Budget Spent = JA - AA.

You name this column BGTSPT. You will use this formula when you set up the Percent of Budget Spent formula column.

Finally, you can use the formula columns that you set up in another formula column. You use formula column segments within other column formulas so that the system solves the formulas using the operators for the formula segments as you intend them to be applied.

You set up this formula column: Percent Variance at Completion = VCOMP / HA.

You name this column %VARC. If you click the Expand Formula Details button on the Project Status Inquiry Column Definition form, the system displays all of the segments and operators used in the %VARC and VCOMP formulas. The system displays the segments and operator of the VCOMP formula in parentheses, and then displays the remaining operator and formula segment. The expanded %VARC formula looks like this:

(JA - HA) / HA.

When solving the %VARC formula, the system uses the standard order of arithmetic operators, and so will solve the equation in the parentheses first, and then divide that result by the HA segment. For example, if the value of JA is 5000 and the value of HA is 3000, then the system subtracts 3000 from 5000 to obtain a value of 2000. The 2000 is the result of the VCOMP formula. The system then divides that result (2000) by the value for HA (3000). The result for the %VARC formula is .67, which is the value that the system will display in the Project Status Inquiry form for the %VARC column.

## Modifying and Deleting Column Definitions Used In Formulas

You cannot modify or delete a column that is used as a segment in a formula. If you need to modify or delete a column that is used in a formula, then you must first remove the segment from the formula.

## Prerequisite

Before you begin this task, set up column definitions for the column types that you want to include in the formulas. When you create column definitions for formulas, you select existing columns for the segments that you include in the formula.

## Setting Up a Column Definition for a Formula

To set up a column definition for a formula:

1. Access the Project Status Inquiry Column Definitions form.



Form Name	Form ID	Navigation
Project Status Inquiry Column Definitions	W51X90B	<p>Project Status Inquiry (G51411).</p> <p>Column Definitions (P51X90).</p> <p>Click Add on the Work with Project Status Inquiry Column Definitions form.</p>

**Column Definitions - Project Status Inquiry Column Definitions** Personal Form: (No Personalization) | Layout: (No Layout) | [Icons]

---

**Column Name \*** FAAAU **Budget Flag** Non-Budget

**Description \*** Actual Unit Cost **Totaling Method** Sum

**Column Heading \*** Actual Unit Cost **Display Decimal Override** 2

**Column Type \*** Formula **Scaling Multiplier** [ ]

**Ledger Type** [ ]  Units Flag

**Billing Amount** None  Header Units Flag

As if Currency Enabled

---

**Visual Alerts**

**Formula**

**Segment** [ Ledger Types | Non-JA Budget Amt Ledgers | Formulas | Billing Amounts | Non-JU Budget Unit Ledgers | Numeric Factor ]

**Operator** [ + | \* | - | / ]

**Display** [ Clear All | Clear Last ]  Expand Formula Details  
 Use Column Headings

**Formula Definition**

AA/AU

2. Enter values in these fields and select or clear the options:

**Column Name**

Enter a name for the column that you create. This field is required.

**Description**

Enter a description for the column that you create. This field is required.

**Column Heading**

Enter the name that you want to use for a label for the column when the column name appears in the Work with Project Status Inquiry and Project Status Inquiry forms. This field is required.

**Column Type**

Select **Formula**.

The system expands the Formula section. The fields and options for the Formula section are discussed in Step 3.

**Totaling Method**

Select an option to specify whether the system sums or averages the account detail values in the column, or whether the system does not apply any totaling method. For formula columns, the system does not apply the totaling method associated with the formula segment columns. The system solves the formula and then applies the totaling method that you apply to the formula column.

See Also *Understanding Totaling Methods*.

Values are:

**Average - Exclude zero amounts.** The system does not include zero amounts when it averages the values in the column.

**Average - Include zero amounts.** The system includes zero amounts when it averages the values in the column.

**None.** The system does not apply a totaling method to the column values.

**Sum.** The system adds the values in the column. This is the default value.

**Display Decimal Override**

Enter the number of decimal places for account values for the display in the Project Status Inquiry form. If you do not enter an override value in this field, the system provides a default value of 2 decimals when you enter the formula. You can change the default value.

See *Understanding Decimal Display Values*.

**Scaling Multiplier**

Enter the factor by which the system multiplies amounts or units in a column. The system multiplies the accumulated amounts by the multiplier factor before it displays the result on the Project Status Inquiry form.

For example, if you want to scale large numbers to thousands, enter .001. If you want percentages to appear as whole numbers, enter 100.

**As If Currency Enabled**

Select this check box to enable as if currency processing. If you select this check box and enter a currency code when you specify your data in the Work with Project Status Inquiry program (P51X0200), the system calculates the values for the column in the currency specified on the Work with Project Status Inquiry program, and displays the values in the as if currency on the Project Status Inquiry form.

3. In the Formula subform, click one of these buttons in the Segment area to select the first segment for the formula:
  - o **Ledger Types**
  - o **Non-JA Budget Amount Ledgers**
  - o **Non-JA Budget Unit Ledgers**
  - o **Billing Amounts**
  - o **Formulas**  
You can select an existing formula column only if the formula column that you select does not have another formula as a segment. See *Formula Columns Within Another Formula Column*.
  - o **Numeric Factor**  
The system displays a form from which you select an existing column. The form includes only the columns associated with the column type button that you clicked. For example, if you click the Ledger Types button, the system displays a form with the existing ledger type columns.
4. Select a column from the selection form, and click OK.  
The system adds the column name in the Formula field.
5. Optionally, at any time after you add the first segment, select the Use Column Headings check box to display the column headings of your selected segments instead of displaying the column names.  
If you selected a formula column, you can select the Expand Column Details check box to view the segment and operators in the selected formula column.
6. Click one of these operator buttons:
  - o + (add)
  - o - (subtract)
  - o \* (multiply)
  - o / (divide)

The system adds the operator to the Formula field after the last column name that you added.
7. Click a button in the Segment area to select another column to add to the formula.
8. Repeat steps 5 and 6 to add more segments and operators to your formula.  
You can include up to ten segments and nine operators in your formula. You must end with a segment.
9. Click OK.

## Setting Up Columns with Percent Complete

This section provides an overview of percent complete columns and discusses how to set up a column definition with percent complete.

### Understanding Percent Complete Columns

When you set up and use a percent complete column, the system calculates the percent complete for the AA, AU, HA, HU ledger types according to the method of computation associated with the accounts for the ledger.

## Setting Up a Column Definition with Percent Complete

To set up a column definition for percent complete:

1. Access the Project Status Inquiry Column Definitions form.

Form Name	Form ID	Navigation
Project Status Inquiry Column Definitions	W51X90B	Project Status Inquiry (G51411).  Column Definitions (P51X90).  Click Add on the Work with Project Status Inquiry Column Definitions form.

2. Enter values in these fields and select or clear the options:

**Column Name**

Enter a name for the column that you create. This field is required.

**Description**

Enter a description for the column that you create. This field is required.

**Column Heading**

Enter the name that you want to use for a label for the column when the column name appears in the Work with Project Status Inquiry and Project Status Inquiry forms. This field is required.

**Column Type**

Select **Percent Complete**.

**Totaling Method**

Select an option to specify whether the system sums or averages the values in the column, or whether the system does not apply any totaling method. See *Understanding Totaling Methods*.

Values are:

**Average - Exclude zero amounts.** The system does not include zero amounts when it averages the values in the column.

**Average - Include zero amounts.** The system includes zero amounts when it averages the values in the column.

**None.** The system does not apply a totaling method to the column values.

**Sum.** The system adds the values in the column. This is the default value.

**Display Decimal Override**

Enter the number of decimal places to override the default decimal value for the currency amount, unit, or unit price of the column. See *Understanding Decimal Display Values*.

**Scaling Multiplier**

Enter the factor by which the system multiplies amounts or units in a column. The system multiplies the accumulated amounts by the multiplier factor before it displays the result on the Project Status Inquiry form.

For example, if you want to scale large numbers to thousands, enter .001. If you want percentages to appear as whole numbers, enter 100.

3. Click OK.

## Setting Up Columns with Visual Alerts

This section provides an overview of visual alert columns and discusses how to set up a column definition for visual alerts.

### Understanding Visual Alert Columns

You can set up columns that provide you with a visual alert so that you can easily locate column values that exceed thresholds that you specify. When you set up visual alert columns, you specify the column for which you set up the

visual alert (the basis column), and then specify up to three thresholds that will trigger the alerts. You can select a ledger type, billing amount, or formula column as the basis column.

If an amount in a cell in the basis column exceeds a threshold, the system displays the icon associated with the alert threshold in the Project Status Inquiry program. If the row does not have a value that triggers the alert, then the cell for the visual alert column is blank. See [Viewing Visual Alerts](#).

The order in which you select columns in the Columns Layout program (P51X91) or on the Columns 1–20 or Columns 21–40 tabs determine the order in which the columns appear when you first access the Project Status Inquiry form. As with other grids in the JD Edwards EnterpriseOne applications, you can change the order of columns in the grids on the Project Status Inquiry form. For easiest viewing of the alerts, place the visual alert columns next to the ledger type, billing amount, or formula column that you specify as the basis column.

You cannot select visual alert columns to appear in the chart generated by the Project Status Inquiry program.




## Threshold Amounts

When you set up visual alert columns, you specify threshold amounts and whether to trigger the alerts if amounts are greater than or equal to, or less than or equal to, the threshold amounts. When you enter amounts for the thresholds, the amounts must be in ascending order when you specify that amounts greater than the threshold amount trigger the alert, and in descending order if you specify that amounts less than the threshold amount triggers the alert. You can enter positive and negative numbers for the threshold levels.

The system associates an icon with each threshold level. The system displays the icon in the Project Status Inquiry form for amounts that meet or exceed the set threshold. You can select an option on the Project Status Inquiry form to view only the rows of a column that triggered the visual alert.

See [Viewing Visual Alerts](#).

This table shows the icons that the system uses for each threshold level:

Threshold	Icon
Level 1	Yellow circle 
Level 2	Orange triangle 
Level 3	Red square 

Though you must set up the thresholds in order, you can skip a level. For example, you could enter 10000 in the Threshold 1 field, leave the Threshold 2 field blank, enter 50000 in the Threshold 3 field, and specify that values greater than or equal to the threshold cause the system to display the visual alert. In this example, the system would display the yellow circle for amounts that are over 10000 but less than 50000, and would display the red square for amounts that are greater than or equal to the Threshold Level 3 amount of 50000.

## Account Ranges

You can specify that the alerts apply to specific account ranges. You set up the account ranges in the Project Status Inquiry Account Range program (P51X100), and then specify the account range name when you set up the visual alert column. For example, suppose that you want to have an alert icon appear when overtime costs exceed a specific amount. You could set up an account range name in the Project Status Inquiry Account Range program that includes all of the accounts that you use for overtime pay. If the accounts are not contiguous, you can specify multiple account ranges for one account range name. You would then specify the account range name when you set up the visual alert column for overtime exceptions.

You can also specify account ranges on the Work with Project Status Inquiry form. If you specify an account range on the Work with Project Status Inquiry form, the system accumulates and displays records for only the included accounts, so the system can display visual alerts for only the accounts specified.

For example, if you set up a visual alert column with an account range of 5000 to 5999 and specify an account range in the Work with Project Status Inquiry for 5600–5999, then the system does not display visual alerts for accounts 5000–5599 because those records were excluded from the processed dataset.

## As If Currency Processing

When you view job and billing data in the Project Status Inquiry program, you can view amounts in an as if currency. To view amounts in an as if currency, you must specify the currency code on the Work with Project Status Inquiry form. The system displays job and billing amounts in the as if currency for only the columns for which you selected the As If Currency Enabled check box when you set up the column.

When you set up visual alert columns, you select a basis column. The system enables as if currency for visual alert columns when the basis column of the visual alert column has as if currency processing enabled. For enabled visual alert columns, the system converts the threshold levels that you set up in a base currency on the Project Status Inquiry Column Definitions form to the currency that you specify on the Work with Project Status Inquiry form and then compares the converted threshold levels to the converted job and billing amounts to determine whether to display a visual alert icon.

The system uses the currency code in the Threshold Currency Code field to determine the base currency code from which the system converts the threshold levels when you view records in an as if currency. For example, if you specify CAD (Canadian dollars) in the Threshold Currency Code field and specify USD (US dollars) as the as if currency code in the Work with Project Status Inquiry form, then the system converts the threshold levels from CAD to USD before it compares the threshold levels to the converted job and billing amounts.

For example, suppose that:

- You use a ledger type column definition as the basis column for a visual alert column.
- Your base currency is Canadian dollars (CAD) and you want to display amounts in US dollars (USD) in the Project Status Inquiry form.
- The exchange rate to convert CAD to USD is .957.

To have the system calculate and display amounts in USD and to trigger the visual alerts based on the converted USD amounts, you:

1. Select the As If Currency Enabled check box when you set up the ledger type column.

This example uses a ledger type column. You can also enable as if currency processing for other column types.

See *Understanding the As If Currency Enabled Option*.

2. Select the ledger type column as the basis column when you set up the visual alert column.
3. Enter **CAD** in the Threshold Currency Code field for the visual alert column.

The system uses the currency code in this field as the basis currency.

4. Set up threshold levels of 10,000, 20,000, and 30,000.
5. On the Work with Project Status Inquiry form:
  - o Enter **USD** in the As If Currency Code field.
  - o Complete the As If Currency Exchange Rate Date field, or leave it blank to use the current date.
6. Run the process to generate job and billing data to view.

As it processes job and billing records, the system:

- Converts the display of job and billing amounts from their base currencies to USD.
- Converts the threshold levels to 9570, 19,140, and 28,710.
- Compares the converted job and billing amounts to the converted threshold levels to determine whether to display a visual alert icon.

**Note:** If the basis column for a visual alert column has as if currency enabled, then the Threshold Currency Code field cannot be blank. If the field is blank, then the system issues an error message.

## Setting Up a Column Definition for Visual Alerts

To set up a column definition for a visual alert:

1. Access the Project Status Inquiry Column Definitions form.

Form Name	Form ID	Navigation
Project Status Inquiry Column Definitions	W51X90B	Project Status Inquiry (G51411).  Column Definitions (P51X90).  Click Add on the Work with Project Status Inquiry Column Definitions form.



Form Name	Form ID	Navigation

**Column Definitions - Project Status Inquiry Column Definitions** Personal Form: (No Personalization) Layout: (No Layout)

Tools

Column Name \* RCVARA Budget Flag Non-Budget

Description \* Received Amount Variance Alert Totaling Method None

Column Heading \* Received Amount Variance Alert Display Decimal Override

Column Type \* Visual Alerts Scaling Multiplier

Ledger Type Billing Amount None

Units Flag

Header Units Flag

As if Currency Enabled

**Visual Alerts**

Alert Basis Column RCVAR Received Variance Level 1 Threshold 10,000.00

Account Range Name Level 2 Threshold 50,000.00

Alert Operator Greater than or Equal to Level 3 Threshold 100,000.00

Threshold Currency Code USD U.S. Dollar

**Formula**

- Enter values in these fields and select or clear the options:

### Column Name

Enter a name for the column that you create. This field is required.

### Description

Enter a description for the column that you create. This field is required.

### Column Heading

Enter the name that you want to use for a label for the column when the column name appears in the Work with Project Status Inquiry and Project Status Inquiry forms. This field is required.

### Column Type

Select **Visual Alerts** from the Column Type list.

When you select **Visual Alerts**, the system disables all fields in the header area except for the Column Name, Description, Column Heading, and Column Type fields and opens the Visual Alerts section.

3. In the Visual Alerts section, complete these fields:

**Alert Basis Column**

Enter the name of the existing column for which you create the visual alert.

You can enter the name of a ledger type, billing type, or formula column. All other column types are disallowed for visual alerts.

**Account Range Name**

Optionally, specify an account range name to limit the application of the threshold amounts to the accounts that are within the account range.

**Alert Operator**

Select **Greater than or Equal to** if you want the system to display the alerts when the column amounts exceed the threshold amounts or are equal to the threshold amounts. Select **Less than or Equal to** if you want the system to display the alerts when the column amounts are less than or equal to the threshold amounts.

If you do not select a value, the system uses the **Greater than or Equal to** option.

**Threshold Currency Code**

Specify the currency in which the system stores threshold levels. The system uses the value in this field as the base currency from which it converts the threshold levels to the as if currency. The system enables this field only when you enable as if currency processing for the basis column.

If the basis column has as if currency enabled, then this field is required. The system provides a default value that is the currency code associated with company 00000. You can change the currency code to any currency code that exists in the Currency Codes table (F0013).

**Level 1 Threshold, Level 2 Threshold, Level 3 Threshold**

Specify the threshold amounts for the visual alert. You can specify values in one, two, or all threshold fields.

If you selected **Greater Than** in the Alert Operator field, then the values must be in ascending order. That is, the value in the Level 1 Threshold field must be less than the amount in the Level 2 Threshold field, and the value in the Level 2 Threshold field must be less than the value in the Level 3 Threshold field.

If you selected **Less Than** in the Alert Operator field, then the values must be in descending order. That is, the value in the Level 1 Threshold field must be more than the amount in the Level 2 Threshold field, and the value in the Level 2 Threshold field must be more than the value in the Level 3 Threshold field.

4. Click OK.

## Defining Column Layouts

This section provides an overview of column layouts, lists a prerequisite, and discusses how to define a column layout.

## Understanding Column Layouts

After you set up column definitions, you use the Project Status Inquiry Column Layout program (P51X91) to group column definitions together to form a column layout. After you set up column layouts, you can use them to instruct the system what to include in your data selection. The system saves the column layouts to the Column Layout table (F51X91).

You can select up to 40 column definitions to include in a column layout, and you can use each column definition in more than one column layout. The order in which you select the columns determines the order in which the columns appear in the Summary and Account Details subform of the Project Status Inquiry form.

The order in which you place the columns in the Project Status Inquiry Column Layout program also determines the order of the columns in the Chart section in the Project Status Inquiry program. If you want to change which columns appear in the chart, you can use the check boxes next to the column names on the Selection tab of the Chart section to select the columns to display on the Display tab. You cannot change the order of the columns in the Display and Selection tabs of the Chart section. Carefully consider how you want charts to appear in the Project Status Inquiry form before you set up your column layouts. Visual alert columns do not appear in the Charts section.

The Column 01–Column 40 fields include a small orange square in the upper left corner. After you select a column to include in the layout, you can click the orange square to view additional column information. See [Column Information Hover Forms](#).

You can set a processing option in the Work with Project Status Inquiry program (P51X0200) to suppress billing amount information to prevent unauthorized users from viewing billing amounts. If you set up a column layout that includes billing lines and assign that column layout to a version that you assign to an unauthorized user, the user receives an error message on the Work with Project Status Inquiry form. Likewise, if a user is assigned to use a version of the Work with Project Status Inquiry program for which access to billing lines is restricted, the user cannot manually add columns for billing lines in the Work with Project Status Inquiry program. If a user receives an error message that billing lines are not enabled, the user must clear the billing columns from the Work with Project Status Inquiry program before continuing the process.

See [Billing Amount Columns](#).

The Submit Project Status Inquiry View program (R51X0300) requires that you specify a column layout in the processing options for the program. Before you use the Submit Project Status Inquiry View program to generate a saved collection of job data, you must set up a column layout to use in the Project Status Inquiry Column Layout program.

See [Setting Processing Options for Submit Project Status Inquiry View \(R51X0300\)](#).

## Prerequisite

Before you perform the task in this section, set up column definitions.

## Defining a Column Layout

To set up a column layout:

1. Access the Project Status Inquiry Column Layout form.

Form Name	Form ID	Navigation
Project Status Inquiry Column Layout	W51X91B	Project Status Inquiry (G51411).  Column Layouts (P51X91).  Click Add on the Work with Project Status Inquiry Column Layout form.

Form Name	Form ID	Navigation

**Column Layouts - Project Status Inquiry Column Layout** Personal Form: (No Personalization) Layout: (No Layout)

Column Layout \* **BILLFORM** Description: **BILLING with Billing formulas**

Check boxes indicate whether to include the column in a chart

Column 01	BNT	Billed Net	<input type="checkbox"/>	Column 11	UTO	Unbilled Total	<input type="checkbox"/>
Column 02	BTX	Billed Tax	<input type="checkbox"/>	Column 12	UBU	Unbilled Units	<input type="checkbox"/>
Column 03	BTO	Billed Total	<input type="checkbox"/>	Column 13	UUP	Unbilled Unit Price	<input type="checkbox"/>
Column 04	BU	Billed Units	<input type="checkbox"/>	Column 14	F5	UUP calc with Column Names	<input type="checkbox"/>
Column 05	BUP	Billed Unit Price	<input type="checkbox"/>	Column 15	F6	UUP with Formula & Operators	<input type="checkbox"/>
Column 06			<input type="checkbox"/>	Column 16	EAR	Earned Amount	<input type="checkbox"/>
Column 07	F4	BUP calc with Formula & Oprtrs	<input type="checkbox"/>	Column 17	EU	Earned Units	<input type="checkbox"/>
Column 08			<input type="checkbox"/>	Column 18	EUC	Earned Unit Cost	<input type="checkbox"/>
Column 09	UBN	Unbilled Net	<input type="checkbox"/>	Column 19	F1	EUC calc with Column Names	<input type="checkbox"/>
Column 10	UBT	Unbilled Tax	<input type="checkbox"/>	Column 20	F2	EUC calc with Formula & Oprtrs	<input type="checkbox"/>
Column 21			<input type="checkbox"/>	Column 31	UBVAR	Unbilled Variance	<input type="checkbox"/>
Column 22			<input type="checkbox"/>	Column 32	RCAVAR	Received Variance	<input type="checkbox"/>
Column 23			<input type="checkbox"/>	Column 33	CBVAR	Actual Cost/Billing Variance	<input type="checkbox"/>
Column 24	RRC	Revenue Recognized	<input checked="" type="checkbox"/>	Column 34	BBVAR	Budget/Billing Variance	<input type="checkbox"/>
Column 25	RNR	Revenue Not Recognized	<input checked="" type="checkbox"/>	Column 35	UBVARA	Unbilled Variance Alert	<input type="checkbox"/>
Column 26	RXN	Revenue in Excess of NTE Limit	<input type="checkbox"/>	Column 36	RCVARA	Received Amount Variance Alert	<input type="checkbox"/>
Column 27	NTR	Net Revenue	<input checked="" type="checkbox"/>	Column 37			<input type="checkbox"/>
Column 28	RCA	Received Amount	<input type="checkbox"/>	Column 38			<input type="checkbox"/>
Column 29	RTA	Retained Amount	<input type="checkbox"/>	Column 39			<input type="checkbox"/>
Column 30			<input type="checkbox"/>	Column 40			<input type="checkbox"/>

2. On the Project Status Inquiry Column Layout form, complete these fields:

**Column Layout**

Enter a name for the column layout. You must complete this field.

**Description**

Enter a description for the column layout.

**Column 01–Column 40**

Enter a value from the Column Definition table (F51X90) to specify a column definition to include in the column layout. Each column layout must include at least one column definition. You can complete up to 40 Column fields.

The order in which you select the columns determines the order in which the system displays the columns in the Project Status Inquiry form.

3. Select the check boxes to the right of the column names to specify the columns to include in the chart on the Project Status Inquiry form. The system disables the check box for visual alert columns.

You can change the selected columns on the Project Status Inquiry form.

4. Click OK.



# 7 Working with Revenue Performance Obligations (Release 9.2 Update)

## Understanding Revenue Performance Obligations in JD Edwards EnterpriseOne Job Cost

Business processes and financial standards outline when you can recognize revenue for the amounts you bill to customers. Per accounting standards, you cannot recognize revenue for billed amounts associated with the billing amount until the performance obligation to the customer is satisfied.

**Note:**

To learn more about the revenue recognition process and requirements in JD Edwards EnterpriseOne, review the following information.

See "*Understanding Revenue Recognition*" in the

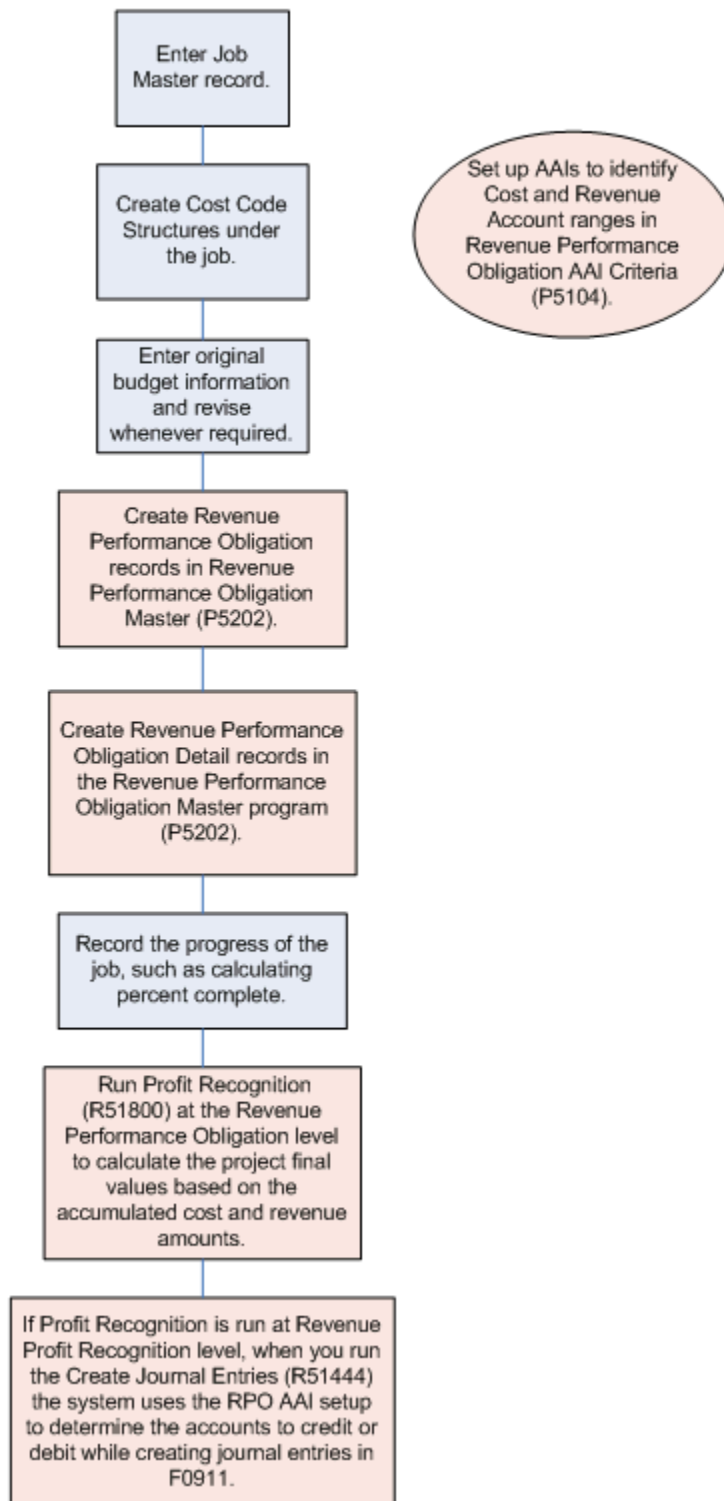
*JD Edwards EnterpriseOne Applications Accounts Receivable Implementation Guide*

When working in the JD Edwards EnterpriseOne Job Cost system specifically, the system enables you to manage and report on performance obligations at the project, job, sub ledger or revenue performance obligation level for any job. A revenue performance obligation (RPO) is a record that consists of a set of accounts used to track costs and revenue associated with specific tasks within a job.

Project managers can identify multiple revenue performance obligations within a single job, associate a range of accounts with a revenue performance obligation, update related percent complete, and make revenue and cost adjustments to the revenue performance obligations (similar to single job adjustments). You can accurately recognize revenue for multiple revenue performance obligations on a single job using the Revenue Performance Obligation Profit Recognition Process (with the resulting over and under billing adjustments), which is based on the existing Profit Recognition process.

The following flowchart shows how the Profit Recognition Process has been updated to accommodate RPOs:

## Profit Recognition Process for Revenue Performance Obligations





The following list outlines the steps of the Profit Recognition Process for revenue performance obligations and provides links as to where you can find additional information for each task:

- Enter a job.  
See [Setting Up Jobs](#).
- Create cost code structures under a job.  
See [Setting Up Cost Code Structures](#).
- Set up RPO AAls to identify cost and revenue account ranges.  
See [Setting Up Revenue Performance Obligation AAls](#).
- Set up an RPO.  
See [Adding a Revenue Performance Obligation to a Job](#).
- Select accounts for the RPO.  
See [Associating Accounts with a Revenue Performance Obligation](#).
- Generate Profit Recognition Data for an RPO.  
See [Generating Profit Recognition Data for Revenue Performance Obligations](#).
- Adjust revenue and cost amounts for an RPO.  
See [Revising Profit Recognition Records for Revenue Performance Obligations](#).
- Create profit recognition journal entries at RPO level.  
See [Creating Profit Recognition Journal Entries for Revenue Performance Obligations](#).
- Report on performance obligation status.  
See [Reviewing the Profit Recognition Job Status Report \(R51445\) for Revenue Performance Obligations](#).

## Setting Up Revenue Performance Obligation AAls

This section provides an overview of revenue performance obligation AAls and discusses how to set up RPO AAls.

### Understanding Revenue Performance Obligation AAls

During the life cycle of a project, various costs are incurred and there are rules that specify how the accounts are determined to record these costs. One rule is when working with revenue performance obligations (RPOs), you must set up RPO AAls. RPO AAls are similar to the AAls that are set up at the job level, but the system uses RPO AAls specifically when you run the Profit Recognition Build (R51800) at RPO level.

Use the Revenue Performance Obligation AAI Criteria program (P5104) to define RPO AAls based on a match level and match value combination. During profit recognition at the RPO level, the system uses the AAI item number, match level, and match value to find the correct account to debit or credit.

When you set up cost and revenue AAI items, you have the option to specify a range of accounts. You can have more than one set of ranges per cost or revenue RPO AAI item, which means that you can have multiple rules (cost code/cost

type ranges) with the same combination of values in the Match Level, Category Code, Match Value, and Effective Date fields.

For income statement and balance sheet AAI items, there can be only one rule (cost code/cost type ranges) for the same combination of values in the Match Level, Category Code, Match Value, Effective Date fields.

For AAI items other than cost account, revenue account, IS and BS, you can only define one rule for the same combination of values in the Match Level, Category Code, Match Value, and Effective Date fields.

When you add accounts to an RPO, there should not be any overlapping AAI definitions (date ranges) for same job, project, and RPO.

See *Associating Accounts with a Revenue Performance Obligation*.

The system stores the RPO AAIs in the Revenue Performance Obligation AAI Criteria table (F5104).

To review how the system uses RPO AAI setup and the RPO record to select accounts, review the following example:

*Example: Revenue Performance Obligation and RPO AAI Setup: Review Resulting Accounts*

## Forms Used to Set Up Revenue Performance Obligation AAIs

Form Name	Form ID	Navigation	Usage
Work With Revenue Performance Obligation AAI Criteria	W5104A	Job Cost Setup menu (G5141), RPO AAI Criteria	Review and revise RPO AAIs.
Revenue Performance Obligation AAI Criteria - Revisions	W5104B	On the Work With Revenue Performance Obligation AAI Criteria form, click Add.	Set up RPO AAIs.

## Set Up Revenue Performance Obligation AAIs

Access the Revenue Performance Obligation AAI Criteria - Revisions form.

### AAI Item

Enter a value from UDC table 51/TY that defines an account or range of accounts used for a particular function in the system.

Values are:

001: Cost Account (JCST)

002: Revenue Account (JCCA)

003: Balance Sheet (BS)

004: Income Statement (IS)

- 005: Overbilling (JCBE)
- 006: Underbilling (JCCE)
- 007: Adj-Cost of Sales (JCBOUA)
- 008: Adj-Revenue (JCCOUA)
- 009: Loss (JCLOSS)
- 010: Offset-Loss (BSLOSS)
- 011: Accrued Cost (JCAPC)
- 012: Deferred Cost (JCSMJ)
- 013: Offset-Accrued Cost (JCAPO)
- 014: Offset-Deferred Cost (JCSMI)
- 015: Adj-Prj Final Cost (JCPFC)
- 016: Adj-Prj Final Profit (JCPFP)
- 016: Adj-Prj Final Profit (JCPFP)
- 017: Adj-Prj Final Revenue (JCPFR)

See *Setting Up AAls for Job Cost*

#### **Match Level**

Enter a value from UDC table 51/TY that the system uses, in combination with the match value, to locate the required account details for the profit recognition process. The system uses the match level to specify the order in which the system searches for the RPO AAls.

For match levels that correspond to category codes (match levels 2 and 4), you must also enter a value in the Category Code field. The system uses the category code to locate the required account details.

Values are:

- 1: Revenue Performance Obligation
- 2: Category Code of RPO
- 3: Job
- 4: Category Code of Job
- 5: Job Type
- 6: Project
- 7: Company
- 8: Default

#### **Category Code**

Enter a value that indicates the category code that the system uses to define the RPO AAI setup. For match levels that correspond to category codes (match level values 2 and 4), the system uses this field, along with the Match Level field, to determine the values for the Match Value field.

Values are:

For Match Level 2 (RPO - Category Code): Any value between 1-10.

For Match Level 4 (JOB - Category Code): Any value between 1-50.

### Match Value

Enter a value that the system uses, in combination with the match level, to locate the required account details for the profit recognition process. The value that you enter in the Match Level field determines the available values in the Match Value field.

For example, if you enter match level 1 for revenue performance obligation, you must enter a valid revenue performance obligation number from the Revenue Performance Obligation Master table (F5102) in the Match Value field.

### Thru Cost Code

### From Cost Type

### Thru Cost Type

For AAls that correspond to cost (001) and revenue (002) accounts, use these fields to define the cost code (subsidiary) and cost type (object) ranges.

### Resulting Business Unit

### Resulting Object

### Resulting Subsidiary

For AAls that correspond to accounts other than cost (001) or revenue (002) accounts, use these fields to define a specific resulting account.

**Note:** For AAls that correspond to balance sheet (003) and income statement (004) accounts: you can use the Thru Cost Code, From Cost Code, and Thru Cost Type fields, along with the Resulting Business Unit, Resulting Object, and Resulting Subsidiary to specify to which range of accounts the system uses the corresponding resulting accounts.

## Entering Revenue Performance Obligations

This section provides an overview of the revenue performance obligation setup, lists a prerequisite, and discusses how to:

- *Adding a Revenue Performance Obligation to a Job*
- *Associating Accounts with a Revenue Performance Obligation*

## Understanding Revenue Performance Obligation Setup

A revenue performance obligation (RPO) is identified as a set of accounts that is associated with a job. You use an RPO to track specific costs and revenue for an obligation within a job.

An RPO has both master and detail information. Use the Revenue Performance Obligation Master program (P5102) to create a Revenue Performance Obligation (RPO) master record in the Revenue Performance Obligation Master table (F5102), similar to a job in Job Master Revision program (P51006).

After you set up the RPO master information, you add accounts to the RPO. The system stores these account details information in the Revenue Performance Obligation Detail table (F5103.) The system validates that any account (cost

code and cost type combination) entered is not associated with another RPO. If you delete an RPO master record from the F5102 table, the system deletes the corresponding RPO detail records from the F5103 table.

You can copy the master information from an existing RPO to create a new RPO with unique detail information.

When working in the Job Cost Master Revisions program (P51006), you can quickly search for RPOs that are related to a specific job. Select a job and select RPO Master from the Row menu. The system displays the Work With Revenue Performance Obligation Master form with the selected job number populated in the QBE line of the grid.

To review how the system uses RPO AAI setup and the RPO record to select accounts, review the following example:

*Example: Revenue Performance Obligation and RPO AAI Setup: Review Resulting Accounts*

## Prerequisites

Before you enter revenue performance obligations (RPOs), you must set up jobs in the Job Cost Master Revisions program (P51006).

See *Setting Up Jobs*.

## Forms Used to Enter Revenue Performance Obligations

Form Name	Form ID	Navigation	Usage
Work With Revenue Performance Obligation Master	W5102A	Job Cost Setup menu (G5141), RPO Master	Review and select revenue performance obligation records.
Revenue Performance Obligation Master Revisions	W5102B	On the Work With Revenue Performance Obligation Master form, select a record and click Select or click Add.	Add revenue performance obligations to a job.
Enter Revenue Performance Obligation Details	W5102D	On the Work With Revenue Performance Obligation Master form or the Revenue Performance Obligation Master Revisions form, select RPO Details from the Row menu.	Specify accounts to track costs associated with a revenue performance obligation.
Select Revenue Performance Obligation Accounts	W5102E	On the Enter Revenue Performance Obligation Details form, select Select RPO Accounts on the Form menu.	Search for and select one or more accounts to associate with an RPO.

## Adding a Revenue Performance Obligation to a Job

Access the Revenue Performance Obligation Master Revisions form.

### **RPO Number**

Enter an alphanumeric code that identifies a separate entity within a job for which you want to track costs independently of the entire job.

### Revise Revenue Performance Obligation tab

#### **Description**

Enter a unique name for the RPO.

#### **Job Number**

Enter the job that the RPO is associated with.

### More Detail tab

Use the Description Line 02, Description Line 03, and Description Line 04 fields to add additional descriptions to the RPO.

### Cat Codes tab

Use the Cat Code 001 through Cat Code 010 fields to associate category codes with the RPO. Some examples of category codes for an RPO are territory, country, plant code, project supervisor, or RPO group code.

### Address Number tab

Use the Address Number 01 through Address Number 04 fields to associate address book records with the RPO.

### Dates tab

Use the fields to specify dates associated with the RPO, such as the Planned Start Date and Actual Start Date.

## Associating Accounts with a Revenue Performance Obligation

Access the Enter Revenue Performance Obligation Details form.

**Enter Revenue Performance Obligation Details** Layout: (No Layout) ▼

✓ 🔍 🗑️ ✕ 📄 Form ⚙️ Tools

RPO Number: SRPO1    Planned Start Date: 06/01/2016    Planned Comp Date: 08/31/2016  
 Job Number: 122334    Actual Start Date: 06/01/2016    Actual Comp Date:

Records 1 - 4

<input checked="" type="radio"/>	Cost Code	Cost Code Description	Cost Type	Account Description	Account ID
<input checked="" type="radio"/>			1381	equipment	01380281
<input type="radio"/>	02200	Clearing and Grading	1340	Regular Labor	01380273
<input type="radio"/>	02200	Clearing and Grading	1341	Materials	01380275
<input type="radio"/>					

### Cost Code

Enter a value that is the part of the account number that identifies a step, phase, or type of activity within a job, such as site work, earthwork, paving, or landscaping.

**Note:** The cost code is the subsidiary in a G/L account. While a subsidiary is optional for a G/L account, a cost code is required for each job cost account. Blank can be set up as a valid cost code value in the chart type setup.

### Cost Type

Enter a value that is the part of the account number that identifies a cost category within a cost code, such as labor, materials, equipment, and subcontracts. It can further divide a cost category into subcategories, such as regular time, premium time, and burden for labor.

**Note:** The cost type is the object account in a G/L account. An object account is required for cost type accounts, but you do not use a cost type value for cost code headers.

If you do not know the values for the Cost Code or Cost Type fields, select RPO Accounts on the Form menu to access the Select Revenue Performance Obligation Accounts form. Use this form to search for and select one or more accounts to associate with an RPO.

## Example: Revenue Performance Obligation and RPO AAI Setup: Review Resulting Accounts

This section provides an example of how the system determines resulting accounts when working with revenue performance obligations, based on job, RPO, and RPO AAI setup.

Review the following sections in this example:

- *Example: Job Setup*
- *Example: Revenue Performance Obligation Setup*
- *Example: RPO AAI Setup*
- *Example: Resulting Accounts*

## Example: Job Setup

Review the details of the job used in this example:

- Job: J1
- Job Type: JB
- Project: 50
- Company: 50

Review the RPO numbers listed under of the job J1:

- RPO1
- RPO2
- RPO3
- RPO4

Review the category codes used for job J1:

Category Code Number (Description)	Value (Description)
1 (Division)	150 (New Construction)
2 (Region)	200 (Southwest)
3 (Group)	100 (John's Group)
4 (Branch Office)	150 (Denver)
5 (Department Type)	100 (Framing)

## Example: Revenue Performance Obligation Setup

Review the category code values for the following four RPOs in this example.

RPO Number: RPO1

Review the following category codes for RPO1:



Category Code Number (Description)	Value
1 (Territory)	250 (Rolling Hills)
2 (County)	200 (Jefferson)
3 (Facility)	CA (Canton)
4 (Project Supervisor)	100 (Erik Johnson)
5 (RPO Group Code)	100 (Priority)

RPO Number: RPO2

Review the following category codes for RPO2:

Category Code Number	Value
1 (Territory)	100 (Arrowhead)
2 (County)	500 (Denver)
3 (Facility)	IN (Interstate)
4 (Project Supervisor)	100 (Erik Johnson)
5 (RPO Group Code)	100 (Priority)

RPO Number: RPO3

Review the following category codes for RPO3:

Category Code Number	Value
1 (Territory)	450 (Highlands)
2 (County)	500 (Denver)
3 (Facility)	AR (Arista)
4 (Project Supervisor)	100 (Erik Johnson)
5 (RPO Group Code)	100 (Priority)

RPO Number: RPO4

Review the following category codes for RPO4:

Category Code Number	Value
1 (Territory)	250 (Rolling Hills)
2 (Country)	600 (Adams)
3 (Facility)	US (Universal)
4 (Project Supervisor)	25 (Stephen Ward)
5 (RPO Group Code)	100 (Priority)

## Example: RPO AAI Setup

Review the following RPO AAI setup:

RPO AAI Item	Match Level	Category Code Key Value	Match Value	From Cost Type	From Cost Code	To Cost Type	To Cost Code	Resulting BU	Resulting Object	Resulting Subsidiary
001	1		RPO1	1340		1350				
001	1		RPO1	1440		1450				
001	3		J1	1540		1550				
002	1		RPO2	1380		1390				
002	1		RPO3	1480		1490				
002	5		JB	1580		1590				
003	1		RPO1					50	1392	9999
003	2	1	100					50	1392	9800
003	3		J1					50	1392	9500

RPO AAI Item	Match Level	Category Code Key Value	Match Value	From Cost Type	From Cost Code	To Cost Type	To Cost Code	Resulting BU	Resulting Object	Resulting Subsidiary
004	1		RPO2					50	6380	1000
004	3		J1					50	6380	2000
004	2	2	200					50	6380	3000
005	1		RPO3					50	4165	99999
005	6		50					50	4165	1000
005	4	1	150					50	4165	1000
006	1		RPO1					50	1320	99999
006	2	2	500					50	1320	99950
006	5		JB					50	1320	99940
007	2	3	US					50	6999	1000
007	7		50					50	6999	2000
008	1		RPO1					50	5520	1000
008	6		50					50	5520	2000
009	1		RPO1					50	6998	1000
009	8							50	6998	2000
010	1		RPO1					50	4166	1000
010	5		JB					50	4166	2500
011	5		JB					50	1371	1000
012	7		50					50	1371	99999
013	5		WB					50	4112	99999

RPO AAI Item	Match Level	Category Code Key Value	Match Value	From Cost Type	From Cost Code	To Cost Type	To Cost Code	Resulting BU	Resulting Object	Resulting Subsidiary
014	1		RPO1					50	1330	99999
015	8							50	1378	99999
016	1		RPO1					50	1399	99999
017	5		JB					50	1380	99999
017	2	4	100					50	1380	99999

## Example: Resulting Accounts

The following sections explain the resulting accounts.

### RPO1

#### Review the resulting accounts for RPO1

Cost Account Range:

From Cost Type	To Cost Type
1340/1440	1350/1450

Revenue Account Range:

From Cost Type	To Cost Type
1580	1590

AAI accounts derived by the system due to the setup:

RPO AAI Item (Description)	Resulting Business Unit	Resulting Object	Resulting Subsidiary
003 (BS)	50	1392	9999
004 (IS)	50	6380	3000

RPO AAI Item (Description)	Resulting Business Unit	Resulting Object	Resulting Subsidiary
005 (JCBE)	50	4165	1000
006 (JCCE)	50	1320	99999
007 (JCBOUA)	50	6999	2000
008 (JCCOUA)	50	5520'	1000
009 (JCLOSS)	50	6998	1000
010 (BSLOSS)	50	4166	1000
011 (JCAPC)	50	1371	1000
012 (JCSMJ)	50	1371	99999
013 (JCAPO)	**Not defined**	**Not defined**	**Not defined**
014 (JCSMI)	50	1330	99999
015 (JCPFC)	50	1378	99999
016 (JCPFP)	50	1399	99999
017 (JCPFR)	50	1380	99999

## RPO2

### Review the resulting accounts for RPO2

Cost Account Range:

From Cost Type	To Cost Type
1540	1550

Revenue Account Range:

From Cost Type	To Cost Type
1380	1390

From Cost Type	To Cost Type

AAI accounts derived by the system due to the setup:

RPO AAI Item (Description)	Resulting Business Unit	Resulting Object	Resulting Subsidiary
003 (BS)	50	1392	9800
004 (IS)	50	6380	1000
005 (JCBE)	50	4165	1000
006 (JCCE)	50	1320	99950
007 (JCBOUA)	50	6999	2000
008 (JCCOUA)	50	5520	2000
009 (JCLOSS)	50	6998	2000
010 (BSLOSS)	50	4166	2500
011 (JCAPC)	50	1371	1000
012 (JCSMJ)	50	1371	99999
013 (JCAPO)	**Not defined**	**Not defined**	**Not defined**
014 (JCSMI)	**Not defined**	**Not defined**	**Not defined**
015 (JCPFC)	50	1378	99999
016 (JCPFP)	**Not defined**	**Not defined**	**Not defined**
017 (JCPFR)	50	1380	99999

## RPO3

### Review the resulting accounts for RPO3

Cost Account Range:

From Cost Type	To Cost Type
1540	1550

Revenue Account Range:

From Cost Type	To Cost Type
1480	1490

AAI accounts derived by the system due to the setup:

RPO AAI Item (Description)	Resulting Business Unit	Resulting Object	Resulting Subsidiary
003 (BS)	50	1392	9500
004 (IS)	50	6380	2000
005 (JCBE)	50	4165	99999
006 (JCCE)	50	1320	99950
007 (JCBOUA)	50	6999	2000
008 (JCCOUA)	50	5520	2000
009 (JCLOSS)	50	6998	2000
010 (BSLOSS)	50	4166	2500
011 (JCAPC)	50	1371	1000
012 (JCSMJ)	50	1371	99999
013 (JCAPO)	**Not defined**	**Not defined**	**Not defined**
014 (JCSMI)	**Not defined**	**Not defined**	**Not defined**
015 (JCPFC)	50	1378	99999
016 (JCPFP)	**Not defined**	**Not defined**	**Not defined**

RPO AAI Item (Description)	Resulting Business Unit	Resulting Object	Resulting Subsidiary
017 (JCPFR)	50	1380	99999

## RPO4

### Review the resulting accounts for RPO4

Cost Account Range:

From Cost Type	To Cost Type
1540	1550

Revenue Account Range:

From Cost Type	To Cost Type
1580	1590

AAI accounts derived by the system due to the setup:

RPO AAI Item (Description)	Resulting Business Unit	Resulting Object	Resulting Subsidiary
003 (BS)	50	1392	9500
004 (IS)	50	6380	2000
005 (JCBE)	50	4165	1000
006 (JCCE)	50	1320	99940
007 (JCBOUA)	50	6999	1000
008 (JCCOUA)	50	5520'	2000
009 (JCLOSS)	50	6998	2000
010 (BSLOSS)	50	4166	2500
011 (JCAPC)	50	1371	1000



RPO AAI Item (Description)	Resulting Business Unit	Resulting Object	Resulting Subsidiary
012 (JCSMJ)	50	1371	99999
013 (JCAPO)	**Not defined**	**Not defined**	**Not defined**
014 (JCSMI)	**Not defined**	**Not defined**	**Not defined**
015 (JCPFC)	50	1378	99999
016 (JCPFP)	**Not defined**	**Not defined**	**Not defined**
017 (JCPFR)	50	1380	98999

## Updating Percent Complete at the Revenue Performance Obligation Level

To update the percent complete at the RPO level, the process is the same as when you update the percent complete for a job. Access the Update Percent Complete program (P511112) by navigating to the Job Cost Master Revisions program (P51006), selecting a job, and selecting Update % Complete from the Row menu.

On the Update Percent Complete form, enter P in the Subledger Type field to search on the Revenue Performance Obligation subledger type. When you enter P in the Subledger Type field, use the Subledger Value field to search on all RPOs for the job or enter a specific RPO from the Revenue Performance Obligation Master table (F5102).

To review additional information about updating the percent complete, review the following section:

*Updating the Percent Complete for a Job*

## Generating Profit Recognition Data for Revenue Performance Obligations

Run the Profit Recognition Build (R51800) to calculate actual and budget amounts, projected final values, and percent complete. In final mode, the system also generates records in the Profit Recognition table (F5144) and Profit Recognition Account Balance table (F5145). To run the Profit Recognition Build (R51800) at RPO level, you must enter 4 (Revenue Performance Obligation level) in the Summarization Level processing option.

See *Setting Processing Options for Profit Recognition Build (R51800)*

The system compares the value in the Threshold processing option with the percent complete of each RPO separately and validates the Recognition Threshold Percent for an RPO, which controls when to start recognizing profit for this RPO. To review when the system starts recognizing profit for an RPO, review the following section:

### *Generating Profit Recognition Data*

The system uses the Subledger and Subledger Type fields to store the RPO number in the F5144 and F5145 tables. Subledger type P refers to the RPO number. The system reviews whether the adjustments for revenue, cost, and percent complete were made at the job level or at the RPO level, and accordingly posts profit recognition records to either the accounts at the job level or to the accounts at the RPO level.

#### **CAUTION:**

If you have a job that is being worked on before the FASB/IASB Revenue Recognition 2014 standard goes into effect, you can run Profit Recognition at the job or project level for this job. If, when the new standard goes into effect, the job is still active and you need to recognize revenue at a different summarization level (which could be by project, job, RPO or subledger), you can run the R51800 report at the new level.

In order to rerun the R51800 report at a different summarization level, you must first mark the existing records as obsolete. To do so, you run the Obsolete Profit Recognition Records report (R51446).

See "*Creating Obsolete Profit Recognition Records (Release 9.1 Update)*" in the

*JD Edwards EnterpriseOne Applications Job Cost Implementation Guide*

Generally, there is a constraint in place that prevents this, but in the transitory time between standards you may want to change the way you run Profit Recognition. There may also be times after the FASB/IASB Revenue Recognition 2014 standard goes into effect that you may also need to change the level of summarization because of changes in a contract(s) and identified performance obligations with your customer(s).

You can regenerate profit information for closed periods when adjustments are needed. The system displays an error message when re-opening prior closed fiscal periods, after the journal entries have been created for that fiscal period for the given RPO. The system displays this error to specify that the records need to be regenerated so that RPO-to-date balances are correct in the F5144 table.

The system stores a history version of the information in Profit Recognition History File (F5144) with the same generation date and financial information stored at RPO level.

## Revising Profit Recognition Records for Revenue Performance Obligations

Use the Single Job Adjustments program (P51440) to select individual revenue performance obligations (RPOs) for a job and make adjustments at the RPO level. You cannot add or delete profit recognition information in the P51440 program.

When selecting an RPO to make an adjustment, enter P (Revenue Performance Obligation) in the Subledger Type field on the Work with Profit Recognition Versions form. Click Select to access the Single Job Adjustments form, where you can select Account Adjustment from the Form menu to access the Account Adjustment form.

Use the Account Adjustment form to review and revise amounts for individual accounts in the profit recognition record. You can update projected final amounts for a selected RPO, and when you do so, the system recalculates the rest of the fields based on the recognition method (percentage of cost / percentage of revenue). When you adjust the cost amount using the Accrual/Deferral field in the header on the Single Job Adjustments form, the system adjusts the Actual Cost to Date amount and recalculates the profit data.

For additional information about reviewing profit recognition records and revising the accounts in the profit recognition records, review the following section:

*Revising Profit Recognition Information.*

## Creating Profit Recognition Journal Entries for Revenue Performance Obligations

To generate the journal entries for the accounts that are used in the profit recognition process, you must run the Create Journal Entries program (R51444). The system uses the records in the Profit Recognition table (F5144) to determine whether to create journal entries for RPO-level records or for other level records. The system creates the records in the F5144 table at different levels based on the value in the Summarization processing option in the Profit Recognition Build (R51800).

See *Creating Profit Recognition Journal Entries*.

See *Setting Processing Options for Profit Recognition Build (R51800)*.

When you run the Create Journal Entries program (R51444) for RPOs, the system uses the RPO AAls to determine the accounts to use for the debit and credit journal entries. You set up RPO AAls in the Revenue Performance Obligation AAl Criteria program (P5104).

See *Setting Up Revenue Performance Obligation AAls*.

When creating journal entries for RPOs, the system uses records from the Revenue Performance Obligation Master table (F5102) and the Revenue Performance Obligation Detail table (F5103).

The system validates the history profit recognition journal entries in the F0911 table before posting in order to include only the incremental change in profit for a given RPO. This is important if you try to change the estimated profits for an RPO when profit has already been recognized.

## Reviewing the Profit Recognition Job Status Report (R51445) for Revenue Performance Obligations

You can run the Profit Recognition Job Status report (R51445) for RPOs to review the following information:

- Actual amounts

- Budget amounts
- Projected final amounts

To run the R51445 report for RPOs, use data selection to specify that the system selects profit records that correspond to the RPO summarization level. For profit records at the RPO summarization level, the system uses a section layout that is specific for RPOs. In addition to the grand total, the report totals RPO level profit recognition records at the job level as well.

See *R51445 Profit Recognition Job Status*.

# 8 Entering Budgets and Scheduling Jobs

## Understanding Job Cost Budgets

After you create the job master record and cost code structure, you enter budget information for the job. Budget information includes the monetary amounts and the number of units, or quantities, related to each account.

Budgets are classified as either original or revised:

- Original budgets

Original budget refers to the amounts and number of units, or quantities, set up at the beginning of a project or job. You can create an original budget by manually entering budget information for each account or by copying the budget from another job. Original budgets are not date sensitive. You can change them at any time during the project or job. If you copied the budget information when you copied the account structure, you might need to change some of the budget information for the new job. The system does not keep an audit trail of changes to original budget information.

- Revised budgets

You create a revised budget when you enter a budget change order. The budget change order updates the budget for the job without changing the original budget information.

This example shows the budget information that you might enter for a cost code structure. The account number and description make up the cost code structure. The budget information that you might enter includes the unit of measure (UM), budget units, and budget amounts.

Account Number	Description	UM	Budget Units	Budget Amounts (USD)
5001.02000	Site Work	N/A	N/A	N/A
5001.02200	Clearing and Grading	CY	241	N/A
5001.02200.1355	Equipment	HR	180	4,750.00
5001.02200.1360	Subcontracts	LS	1	215,000.00
5001.02600	Sewer Work	N/A	N/A	N/A
5001.02600.1340	Labor	MH	610	15,000.00
5001.02600.1341	Regular	N/A	N/A	N/A
5001.02600.1342	Premium	N/A	N/A	N/A

Account Number	Description	UM	Budget Units	Budget Amounts (USD)
5001.02600.1343	Burden	N/A	N/A	N/A
5001.02600.1350	Materials	LF	6,900	313,950.00
5001.02600.1355	Equipment	HR	200	5,100.00
5001.02600.1360	Subcontracts	LS	1	165,000.00
5001.02800	Paving and Surfacing	N/A	N/A	N/A
5001.02800.1340	Labor	MH	1,200	21,600.00
5001.02800.1341	Regular	N/A	N/A	N/A
5001.02800.1342	Premium	N/A	N/A	N/A
5001.02800.1343	Burden	N/A	N/A	N/A
5001.02800.1350	Materials	N/A	N/A	15,000.00
5001.02800.1355	Equipment	HR	800	20,000.00
5001.02800.1360	Subcontracts	N/A	N/A	550,000.00

## Common Fields Used in This Chapter

### Original Units and Original Amount

Enter the budgeted amounts as of the beginning of a project or job. These amounts are not date-sensitive; instead, they represent the entire budget quantity for an account. When you change the original budget of a project or job, the system updates the BORG field of the Account Balances table (F0902) for the units ledger that corresponds to the ledger type entered in the Budget Amount Ledger Type field.

The system does not keep an audit trail of changes you make to original budgets.

## Entering an Original Budget

This section provides an overview of original budgets, lists prerequisites, and discusses how to:

- Set processing options for Budget Original (P510121).

- Enter original budgets.

## Understanding Original Budgets

You enter budgets using the P510121 program, which you access by selecting either the Budget Original or Unit Rate Budget Entry menu option. The menu options are set up for different versions of the same program (P510121). The version associated with the Original Budget program displays the Original Units and Original Amount fields. The version associated with the Unit Rate Budget Entry program displays the Original Units, Unit Cost, and Original Amount fields. You can either enter the number of units and the rate or the number of units and the amount; the system automatically calculates values for the fields that you do not complete.

Use the Original Budget / Account Master Sequence form to enter or change original budget information. The system updates the BORG (Budget Original) field in the Account Balances table (F0902) with the amount and number of units that you enter for the ledger type specified in the fields. For example, if the ledger type is JA and you enter a budget amount of 1000 and a number of units as 50, then the system updates the BORG field for the JA ledger type with 1000 and updates the BORG field for the JU ledger type with 50.

**Note:** If the Job Cost Projections option is selected in the Job Cost Constants, the system also updates the first period amount field (AN01) for the HA and HU ledger types in the F0902 table.

If you change the original budget information, the system updates the BORG and AN01 fields appropriately; the system does not generate an audit trail record of changes to the original budget. The system considers any budget information to be original budget information until you enter a budget revision.

Because you access the budget entry form from the Work with Job Master form, you must access the processing options for P510121 from the Application Versions Interactive program (P983051). The processing options that you access from the menu are for the Job Cost Master Revisions program (P51006) only.

See *JD Edwards EnterpriseOne Tools Foundation Guide*

## Deleting a Budget

You can delete the budget information if no transactions exist for a job. If a job has associated information in the Account Ledger table (F0911), then you cannot delete the account or its associated budget information. However, you can deactivate the account so that the system will not use the account information.

## Locking or Unlocking a Budget

You can lock the original budget information to prevent it from being changed, and you can unlock a locked budget at any time. You can only lock a budget at the job (business unit) level; you cannot lock specific accounts within the job. Any authorized user can lock or unlock original budget information at any time.

To lock the job and its corresponding budget information, access the Job Master Revisions form and change the value of the Posting Edit field to **K**.

## Category Codes (Release 9.2 Update)

Business unit category codes are user-defined codes that you assign to projects and jobs for reporting purposes. You can define up to 43 category codes to meet the company's information needs. Category codes 1 through 20 enable you to assign a three-character code, and category codes 21 through 43 enable you to assign a 10-character code. More than one JD Edwards EnterpriseOne system uses system 09 category codes. The system stores business unit category codes in the Account Master table (F0901).

## Prerequisites

Before you enter an original budget, you must:

- Verify the setting of the Job Cost Projections processing option in the Job Cost Constants program (P0026). The option must be selected to update projection ledger types (HA, HU) with budget information.
- Verify that user-defined code (UDC) table 51/PF is set up with the job type that you want to assign.

## Forms Used to Enter Original Budgets

Form Name	FormID	Navigation	Usage
Work with Job Master	W51006R	Job & Budget Setup (G5111), Original Budget.  Job & Budget Setup, Unit Rate Budget Entry.	Review select job master records.
Original Budget / Account Master Sequence	W510121B	Select a job from the Work with Job Master form.	Enter or revise original budget information for the cost codes. Add and delete accounts from the cost code structure.  To calculate the total budget amount for a job, Select Total Job Budget from the Form menu.

## Setting Processing Options for Budget Original (P510121)

You must use the Application Versions Interactive program (P983051) and enter **P510121** in the Interactive Application field to access the versions and associated processing options.

### Display

Use these processing options to control the display and security of cost codes and cost types in a range of accounts.

#### 1. Default Cost Code Range

From Cost Code

Specify the beginning cost code (subsidiary) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost codes through the value entered in the Thru Cost Code field.

Thru Cost Code



Specify the ending cost code (subsidiary) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost codes from the value entered in the From Cost Code field.

## 2. Default Cost Type Range

From Cost Type

Specify the beginning cost type (object) account in the range of account to display. If you leave this processing option blank, the system displays all cost types through the cost type entered in the Thru Cost Type field.

Thru Cost Type

Specify the ending cost type (object) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost types from the value entered in the From Cost Type field.

## 3. Restrict Account Range

Specifies the range of accounts in the Default Cost Code Range and Default Cost Type Range processing options to be modified on the form. Values are:

Blank: Revises the range of accounts for display.

**1:** You cannot revise the range of accounts that display on the form. The system disables the account processing options on the Additional Selections area of the form. You can, however, add accounts within the range specified.

## 4. Inactive Accounts

Specify whether to display inactive accounts. Values are:

Blank: Do not display inactive accounts.

**1:** Display inactive accounts.

## 5. One through five (1-5) Characters of Cost Type

Specify a number, up to five characters, to truncate from the beginning of the value entered in the Cost Type processing option. The system does not display the truncated characters on the form. For example, if you have cost types that are six characters and the first three characters are 022 for all of the cost types, you can enter 022 in this processing option, and the system hides that number from displaying on the form.

Conversely, if you add new accounts to the job, the system concatenates the cost type that you enter with the number entered in this processing option. For example, if you add a new account with cost type 897 and you enter 022 in this processing option, then the system stores 022897 as the cost type in the Account Master table (F0901).

## Edits

Use these processing options to set up validation and security options for the account.

### 1. Account Master Changes

Specifies changes to the job cost accounting information displayed by the system. Values are:

Blank: Changes all processing options for the account.

**1:** You cannot change any processing options for the account.

**2:** You can change all processing options except Cost Code and Cost Type processing options.

### 2. Workers Compensation Changes

You can make changes to the WCI Code (workers compensation insurance code) processing option that appears on the form. Values are:

Blank: You can make changes.

1: You cannot make changes.

### 3. Account Category Codes Edit

Specify whether to validate the values entered in the general ledger category codes 1 through 3 (R001, R002, R003) against the values that are set up in the corresponding UDC table. Values are:

Blank: Validate.

1: Do not validate.

### 4. Validate Against Chart Type

Specify whether to validate changes and additions to the chart type entered in the Chart Type processing option. Values are:

Blank: Do not validate.

1: Validate.

### 5. Chart Type

Specify the chart type against which you want changes and additions to job cost structures validated. If you enter 1 in the Validate Against Chart Type processing option and you leave this processing option blank, then the system validates against the blank chart type if it exists.

### 6. Chart Type Level of Detail

Specify the lowest level of detail for which you want the validation performed, if you specified 1 in the Validate Against Chart Type processing option. For example, if you enter 5 in this processing option, the system does not validate accounts entered at levels of detail 6 through 9 against the chart type. If you leave this processing option blank, the system validates accounts at every level of detail against the chart type.

### 7. Cost Code Range

From Cost Code

Specify the beginning cost code to use for the range of accounts that the system validates against the chart type, if you entered 1 in the Validate Against Chart Type processing option.

Thru Cost Code

Specify the ending cost code to use for the range of accounts that the system validates against the chart type, if you entered 1 in the Validate Against Chart Type processing option.

### 8. Cost Type Range

From Cost Type

Specify the beginning cost type to use for the range of accounts that the system validates against the chart type, if you entered 1 in the Validate Against Chart Type processing option.

Thru Cost Type

Specify the ending cost type to use for the range of accounts that the system validates against the chart type, if you entered 1 in the Validate Against Chart Type processing option.

## Process

Use these processing options to specify the type of information to process when working with budgets.

### 1. Budget Amount Ledger Type

Specify the default value for the budget ledger type. Budget amounts can be entered only for the ledger type specified in this processing option. If you leave this processing option blank, the system assigns **JA** as the budget ledger type on the form.

## 2. Budget Entry Display

Specify whether to display the Original Units and Original Amount processing options on the Original Budget / Account Master Sequence form that are used to enter budget information. Values are:

Blank: Display the budget entry processing options.

**1:** Do not display budget entry processing options. Use this value when you want to create a cost code structure for the job without entering budget amounts.

## 3. Budget Update

Specify the years for which budget amounts can be updated. Values are:

Blank: Update the current and future years.

**1:** Update the current year only.

**2:** Update all years.

## 4. Budget Unit Rate Format

Specify whether to display the Unit Cost processing option in addition to the Original Units and Original Amount processing options. Values are:

Blank: Do not display the Unit Cost processing option.

**1:** Display the Unit Cost processing option.

## Versions

Use these processing options to define the application versions to execute. If you leave these processing options blank, the system uses version ZJDE0001

### 1. Budget Revisions Version (P510171)

Specify the version of Budget Revisions program (P510171) to use when the program is accessed from the Row or Form menu.

### 2. Copy Job to Job Version (P51091)

Specify the version of Copy Job to Job program (P51091) to use when the program is accessed from the Row or Form menu.

### 3. Single Account Revisions (P0901)

Specify the version of Revise Single Account program (P0901) to use when the program is accessed from the Row or Form menu.

## Entering Original Budgets

Access the Original Budget/Account Master Sequence form.

### Original Budget / Account Master Sequence

Work with Job Master Original Budget / Account Master Sequence

✓
🔍
🗑️
✖️
🔄
Form
☰
Row
<
>
⚙️
Tools

**Display** Additional Selection

Ledger Type JA JU

Job Number 5351 Baseball Ballpark

Job Posting Edit

G/L Date 06/30/15

Level of Detail 9

Subledger   \*

Records 1 - 10 > >

<input type="checkbox"/>	<input type="checkbox"/>	Cost Code	Cost Type	Description	U	L	P	M	Adjustment Only	Original Units	Original Amount	3rd Account Number
					M	D	E	C				
<input type="checkbox"/>	<input type="checkbox"/>	01000		Parking Lot		6	B	D	<input type="checkbox"/>			
<input type="checkbox"/>		01000	1340	Labor		7	N	D	<input type="checkbox"/>			
<input type="checkbox"/>		01000	1341	Regular Time		8		D	<input type="checkbox"/>			
<input type="checkbox"/>		01000	1342	Overtime		8		D	<input type="checkbox"/>			
<input type="checkbox"/>		01000	1343	Burden		8		D	<input type="checkbox"/>			
<input type="checkbox"/>		01000	1350	Materials		7		D	<input type="checkbox"/>			
<input type="checkbox"/>		01000	1355	Equipment		7		D	<input type="checkbox"/>			
<input type="checkbox"/>		02000		Concessions		6	B	D	<input type="checkbox"/>			
<input type="checkbox"/>		02000	1360	Subcontractor		7		D	<input type="checkbox"/>			
<input type="checkbox"/>		03000		Grounds Buildout		6	B	D	<input type="checkbox"/>			

If you selected the Advanced Contract Billing Used check box in the Service Billing Constants program (P48091), then the system displays the FAR Unallowable field.

See "*Setting Up Jobs for Advanced Contracts*" in the *JD Edwards EnterpriseOne Applications Advanced Contract Billing Implementation Guide* .

#### Adjustment Only

Select this option to indicate that this account is to be used for adjustment entries only.

#### 3rd Account Number

Enter the third account number, which is a number in free form format that you might use to:

- Facilitate the conversion from the old chart of accounts.
- Facilitate account recoding during the year.
- Provide an account structure required for regulatory reporting.

The third account number must be unique system wide, not just within a business unit. The format of this number has no correlation to the business unit/object/sub account number format in the system.

#### **Alternate Cost Code**

Enter an alternate subsidiary account number. With this number you can comply with a regulatory chart of accounts, parent company requirements, or third-party coding scheme.

#### **Alternate Cost Type**

Enter an alternate object account number. With this number you can comply with a regulatory chart of accounts, parent company requirements, or third-party coding scheme.

#### **QL (quantity roll up level) and Header Type**

Future use.

#### **Category Codes (Release 9.2 Update)**

Enter category codes associated with the Account Master file (F0901) table. This is a user-defined code to use in flex account mapping and in printing selected account information on reports.

## Entering Budget Revisions

This section provides an overview of budget revisions, lists a prerequisite, and discusses how to:

- Set processing options for Job Budget Revisions (P510171).
- Enter budget revisions.

## Understanding Budget Revisions

You can change budget information by entering a budget revision, which is also referred to as a budget change order, using the Job Budget Revisions program (P510171). A budget revision updates the budget without changing the original budget information in the Account Balances table (F0902). Enter a budget revision for a monetary amount or a quantity.

You can enter budget revisions incrementally or cumulatively to amounts or units. For example, if the current units are 1000 and you want to reduce that number by 100, you can either enter an incremental change (-100) in the +/- Units field or you can enter 900 in the Cumulative Units field. You also can enter incremental or cumulative unit cost changes, which are multiplied by the units to determine the budget amount. The amount represents units multiplied by unit cost. Whichever method you select to update units, amounts, or unit costs, the system calculates either the incremental or cumulative change for the remaining fields.

**Note:** The system does not automatically adjust the current amount when you make changes to the current units (and vice versa).

Processing option settings determine which budget revision fields appear on the form, and whether you can enter incremental changes, cumulative changes, or both. You also set processing options to specify whether the system generates Account Detail (F0911) records as an audit trail.

Because you access the budget entry form from the Work with Job Master form, you must access the processing options for P510171 from the Application Versions Interactive program (P983051). The processing options that you access from the menu are for the Job Cost Master Revisions program (P51006) only.

## Budget Audit Trail

You use the Budget Audit Trail processing option to specify whether to generate F0911 records for budget revisions and, if so, whether to generate one record per account per period or one record per account for every revision that is made. If you select to generate one record for all revisions made during the period, the system updates the amount on the same journal entry detail line. If you select to generate one record for each revision, the system generates a new document for each revision, regardless of the period number; it does not add detail lines to the same document.

Regardless of the method that you select for the audit trail, the system:

- Assigns a posted code of P to the detail line.  
Because the system automatically updates the F0902 when you enter a budget revision, the system automatically marks the detail records as posted.
- Assigns a batch type of G.
- Assigns the budget ledger type for which the revision was entered.
- Assigns the document type specified in the Document Type processing option.
- Assigns the last day of the period as the general ledger date.

If you have the Projection Audit Trail option selected in the Job Cost Constants, the system also generates journal entries to update final projected ledger types (HA/HU). The system assigns a document type of FP to the journal entries that it generates and generates one journal entry for each revision.

**Note:** If you do not generate F0911 records as an audit trail for budget revisions, do *not* run the Repost Account Ledger program (R099102) for the Job Cost ledgers. This program updates the F0902 table based on the F0911 journal entries.

See *"Reposting the Account Ledger and Recalculating a Fiscal Year"* in the *JD Edwards EnterpriseOne Applications General Accounting Implementation Guide* .

## Prerequisite

Before you complete the task in this section, you must verify the setting of the Job Cost Projections option in the Job Cost Constants program (P0026). This option must be selected to update projection ledger types (HA, HU) with budget information.

## Forms Used to Enter Budget Revisions

Form Name	FormID	Navigation	Usage
Work with Job Master	W51006R	Job & Budget Setup (G5111), Job Cost Master Revisions	Search for and select a job.

Form Name	FormID	Navigation	Usage
Job Budget Revisions	W510171A	Select a job on the Work with Job Master form. Select Job Budgets and then Budget Revisions from the Row menu.	Enter budget revisions.

## Setting Processing Options for Job Budget Revisions (P510171)

You must use the Application Versions Interactive program (P983051) and enter **P510171** in the Interactive Application field to access the versions and associated processing options.

### Display

#### 1. Default Cost Code Range

From Cost Code

Specify the beginning cost code (subsidiary) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost codes through the value entered in the Thru Cost Code field.

Thru Cost Code

Specify the ending cost code (subsidiary) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost codes from the value entered in the From Cost Code field.

#### 2. Default Cost Type Range

From Cost Type

Specify the beginning cost type (object) account in the range of account to display. If you leave this processing option blank, the system displays all cost types through the cost type entered in the Thru Cost Type field.

Thru Cost Type

Specify the ending cost type (object) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost types from the value entered in the From Cost Type field.

#### 3. Restrict Account Range

You can specify the range of accounts in the Default Cost Code Range and Default Cost Type Range processing options to be modified on the form. Values are:

Blank: Revise the range of accounts for display.

**1:** You cannot revise the range of accounts that display on the form. The system disables the account processing options on the Additional Selections tab of the form. You can, however, add accounts within the range specified.

#### 4. Method of Computation

Specify the method of computation to use to select the accounts that display. If you leave this processing option blank, the system displays accounts for all computation methods.

#### 5. Level of Detail

Specify the default level of detail (values 3 through 9) to use to display accounts. The system displays accounts for levels of detail that are higher (less detailed) than the value that you enter. For example, if you enter 5 in this processing

option, the system displays accounts at levels of detail 1, 2, 3, 4, and 5 only. If you leave this processing option blank, the system uses a default value of 9 and displays all accounts.

### 6. Budget Column Format

Specify which budget revision fields to display. The system uses the value of this processing option in conjunction with the value from the Budget Change processing option to determine the fields to display on the form. Values are:

Blank: Display the unit and amount fields only.

1: Display the unit, amount, and unit cost fields.

2: Display the unit and unit cost fields.

3: Display the amount fields only.

### 7. Budget Change

Specify whether to limit the budget change fields that display on the form. The system uses the value of this processing option in conjunction with the value from the Budget Column Format processing option to determine the fields to display on the form. Values are:

Blank: Display all budget revision fields.

1: Display the fields used to make incremental changes only (+/- Units, +/- Amounts).

2: Display the fields to make cumulative changes only (Cumulative Units, Cumulative Amount).

## Process

### 1. Budget Amount Ledger Type

Specify the default ledger type to display. The system displays the ledger type you enter and the corresponding units ledger type. If you leave this processing option blank, the system display the JA/JU ledgers.

### 2. General Ledger Date Editing

Specify whether to validate the general ledger date that you enter against the current period entered for the company and the general ledger constants. Values are:

Blank: Validate the general ledger date against the current period that is entered for the company and the general ledger constants.

1: Do not validate the general ledger date.

### 3. Document Type

Specify the document type to assign to journal entries that the system generates if you specify Blank or 1 in the Budget Audit Trail processing option. If you leave this processing option blank, the system assigns JE. If you do not generate an audit trail for budget revisions, the system ignores this processing option.

### 4. Budget Audit Trail

Specify whether the system generates Account Ledger records (F0911) as an audit trail for the budget revisions that you make. Values are:

Blank: Generate one F0911 record for each period for budget revisions. If you make more than one revision in a period, the system maintains a cumulative balance by updating the same journal entry detail line.

1: Generate one F0911 record for each budget revision that you make, regardless of whether there are multiple changes in the same period.

2: Do not generate F0911 records for budget revisions.

### 5. Reference Number



Specify the reference number to assign to the journal entries that the system generates for the audit trail. Entering a reference number lets you group journal entries that are generated for budget revisions.

### 6. Override Explanation

Specify an explanation to assign to the journal entries that the system generates for budget revisions when the Budget Audit Trail processing option is set to blank or 1. If you leave this processing option blank, the system assigns Job Cost JE as the explanation on the journal entry.

## Entering Budget Revisions

Access the Job Budget Revisions form.

### Date/Period

Enter the period number or a general ledger date that is the last day of the period on which you want the revision to take affect. If you enter a period number, the system converts it to a date that is the last day of the period. If you enter a general ledger date that is not the ending date of the period, the system returns a message and automatically updates the date to the last day of the period.

### +/-Units

Enter the number by which you want to change the unit quantity. For example, to increase the number of units by 50, enter 50. To decrease the number of units by 50, enter -50.

### +/-Unit Cost

Enter the amount by which you want to change the cost of one unit. For example, to increase the cost of the unit by .75, enter .75. To decrease the cost of one unit by .75, enter -.75.

### +/-Amount

Enter the amount by which you want to change the budget. For example, to increase the budget amount by 50, enter **50**. To decrease the budget amount by 50, enter **-50**. If the budget increases by 50, enter **50** in this field. Enter **-50** in this field if the budget decreases by 50.

### Cumulative Unit Cost

Enter the total cost per unit for the revision. For example, if the original cost per unit is 66.00 and you want to increase the cost by 2.25, enter 68.25. To decrease the original cost per unit by 2.25, enter 63.75.

### Cumulative Amount

Enter the total budget amount for the account. For example, if the original amount is 1,200 and you want to increase the amount by 65, enter 1,265. To decrease the amount by 65, enter 1,135.

### Cumulative Units

Enter the total number of units for the account. For example, if the original units are 500 and you want to increase the number by 100, enter 600. To decrease the original units by 100, enter 400.

### Reference 2

Enter a number to assign to the journal entries that the system generates for an audit trail to group and identify multiple revisions.

## Entering Cost Code Schedules

This section provides an overview of cost code schedules and discusses how to:

- Set processing options for Cost Code Schedules (P51091).
- Set up cost code schedules.

## Mobile Enterprise Applications for Cost Code Schedule and Field Status Review

The following mobile applications are available, and can be used to manage cost code schedule and field status review on a mobile device:

- Manage Cost Code Schedule (Tablet)
- Field Status Review (Tablet and Smartphone)

These applications require system administrator configuration before they are available to individual users. Contact your system administrator to determine whether these applications are available for use.

Additionally, see the following topic in the *JD Edwards EnterpriseOne Applications Mobile Enterprise Applications Implementation Guide* :

[Manage Cost Code Schedule Mobile Applications](#)

[Field Status Review Mobile Applications](#)

## Understanding Cost Code Schedules

After you create the cost code structure, you can set up a cost code schedule for the tasks within each job. Use cost code schedules to establish a chronological order for the tasks. Some tasks might need to be scheduled sequentially, while other tasks might be scheduled concurrently. For example, suppose you are contracted to build a large regional airport. The airport is the project, and each task within it—such as the construction of the main terminal building, the automated baggage system, and the airport access road—is a separate job.

The main terminal building job can be divided into a number of work items, such as:

- Site work
- Concrete
- Masonry
- Metals
- Thermal and moisture protection
- Electrical

You must schedule the main terminal building job so that work items are completed in the correct order. For example, you must schedule the site-work work item before the concrete work item because the site must be prepared before you can lay the foundation.

When you create a job schedule, you enter the planned start and finish dates for each task within the job. Then, as the job progresses, you can update the schedule information by entering the actual start and finish dates for each task.

Cost code schedule information includes planned start and finish dates for each task. As a job progresses, update the schedule information with the actual start and finish dates for each task.

You can enter or change certain account category code information. These category codes are associated with the JD Edwards EnterpriseOne General Accounting system for building summarization logic into the reports. Account category codes can be used with the accounts in a secondary chart of accounts.

The system stores cost code schedule information in the Account Master table (F0901) and the Cost Code Schedule table (F51901).

## Form Used to Set Up Cost Code Schedules

Form Name	FormID	Navigation	Usage
Cost Code Schedule Revision	W51901G	<p>Job &amp; Budget Setup (G5111), Cost Code Schedule.</p> <p>Select a job on the Work with Job Master form, and then select Code Schedule from the Row menu.</p>	Set up a cost code schedule for tasks within a job.

## Setting Processing Options for Cost Code Schedules (P51901)

Processing options enable you to specify the default processing for programs and reports.

### Defaults

Use these processing options to specify the default values that appear on the form.

#### 1. Default Cost Code Range

From Cost Code

Specify the beginning cost code (subsidiary) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost codes through the value entered in the Thru Cost Code field.

Thru Cost Code

Specify the ending cost code (subsidiary) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost codes from the value entered in the From Cost Code field.

#### 2. Default Cost Type Range

From Cost Type

Specify the beginning cost type (object) account in the range of account to display. If you leave this processing option blank, the system displays all cost types through the cost type entered in the Thru Cost Type field.

Thru Cost Type

Specify the ending cost type (object) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost types from the value entered in the From Cost Type field.

### 3. Account Level of Detail

Specify the default level of detail (values 3 through 9) to use to display accounts. The system displays accounts for levels of detail that are higher (less detailed) than the value that you enter. For example, if you enter 5 in this processing option, the system displays accounts at levels of detail 1, 2, 3, 4, and 5 only. If you leave this processing option blank, the system uses a default value of 9 and displays all accounts.

## Process

### 1. Date Range Error Notification

Specify the type of message that the system issues when the actual or planned start dates are after the finish dates. Values are:

Blank: Issue an error message.

1: Issue a warning.

## Setting Up Cost Code Schedules

Access the Cost Code Schedule Revision form.

### Schedule Number

Enter the item or line of work on a schedule that occurs outside of the JD Edwards EnterpriseOne Job Cost system. You can cross reference job costs with the scheduled task.

# 9 Inquiring on Job Information

## Understanding Job Cost Inquiries

After you have set up a job, you can begin tracking costs and units by task and account. You can review all of the information that relates to a project or job at any time during the progress of the work. You review job information to identify variances between the amounts budgeted and the actual amounts, as well as to track commitments and projected final amounts, and to compare different ledgers.

The system provides several inquiry programs that you can use to review job-related information:

- **Job Status Inquiry: Basic (P512100).**  
Use this program to display account balance information from the Account Balances table (F0902) in predefined columns that you can select to display by setting processing options.
- **Job Status Inquiry: User Defined Columns (P512000).**  
Use this program to display the account balance and detail information using columns that you select or create. Based on the selection criteria that you define, the system retrieves account information from both the Account Balances and the Account Detail (F0911) tables.
- **Revised Budget by Ledger Type (P51216).**  
Use this program to display all amounts and units entered for all revised budget ledgers.
- **Accounts Payable Inquiry by Job (P04220).**  
Use this program to display all of the vouchers entered for a specific job or supplier.

### Note:

- *Job Cost Summary Reports: A to Z.*

## Mobile Applications for Inquiring on Job Information

The following mobile applications are available, and can be used to inquire job information on a mobile device:

- Project Status Review (Smartphone and Tablet)

These applications require system administrator configuration before they are available to individual users. Contact your system administrator to determine whether these applications are available for use.

Additionally, see the following topics in the JD Edwards EnterpriseOne Applications Mobile Enterprise Applications Implementation Guide:

- *Project Status Review Mobile Applications*

## Common Fields Used in This Chapter

### **Period/Date**

Enter the period number or the date for which you want to review amount and unit information. If you enter a period, the system converts it to a date and uses the last day of the period. If you enter a date that is not the last day of the period, the system updates it to the last day of the period in which the date falls. The system uses the date pattern that is assigned to the company that is assigned to the job to determine the last day of each period.

### **Inception, Cumulative, or Period**

Specify the type of information to display on the form. Options are:

**Inception:** The system displays job-to-date totals for each account through the period or date specified. When you select this option, the system includes the balance forward amount from the previous year.

**Cumulative:** The system displays year-to-date totals for each account through the period or date specified.

**Period:** The system displays the period-date-totals for each account for the period or date specified.

### **Subledger**

Enter the subledger type and subledger to use to retrieve account information.

### **Revised Budget Amounts**

Enter the sum of the amounts in the revised budget ledgers for the period specified.

### **Revised Budget Units**

Enter the sum of the units in the revised budget ledgers for the period specified.

### **Actual Amounts**

Enter the amount from the AA ledger for the period specified.

### **Actual Units**

Enter the unit from the AU ledger for the period specified.

### **Original Budget Amount**

Enter the sum of the amounts that are in the BORG field (budget original) for all revised budget amount ledgers for the period specified.

### **Original Budget Units**

Enter the sum of the units that are in the BORG field (budget original) for all revised budget unit ledgers for the period specified.

### **Percent Complete**

Enter the amount for the period specified in the F% ledger. If the amount in the F% ledger is zero, the system calculates the percent complete based on the computation method that is assigned to the account.

## Reviewing Basic Job Information

This section provides an overview of basic job inquiry and discusses how to:

- Set processing options for Job Status Inquiry: Basic (P512100).

- Review basic job information.

## Understanding Basic Job Inquiry

You use the Job Status Inquiry: Basic program to review the actual costs and units, budgeted costs and units, committed costs and units, and projected final values from the Account Balances table using columns that are predefined. Processing options enable you to specify which columns to display so that you can customize the inquiry form as needed. The form provides options to display period, cumulative (year-to-date), or inception-to-date amounts. Inception-to-date includes the balance forward amount from the prior year in conjunction with the year-to-date totals. For original budget amounts and units, the system displays information from the BORG field (original budget) for the amount or units ledger. For revised budget amounts and units, the system displays information from the period amount fields (AN01 - AN14) for the amount or units ledger.

**Note:** Revised budget ledgers include the JA and JU ledgers, plus any additional ledgers that you set up and use in JD Edwards EnterpriseOne Job Cost.

See *Setting Up the Job Cost System*.

## Form Used to Review Basic Job Information

Form Name	Form ID	Navigation	Usage
Work with Job Status Inquiry – Basic	W512100A	Job Cost Inquiries (G5112), Job Status Inquiry-Basic	Review basic job information.  Review amounts and units associated with AA, AU, PA, PU, HA, and HU ledgers, or a combination of ledgers. The columns that appear on the form depend upon the processing option settings.

## Setting Processing Options for Job Status Inquiry: Basic (P512100)

Processing options enable you to specify the default processing for programs and reports.

### Display

#### 1. Default Cost Code Range

From Cost Code

Specify the beginning cost code (subsidiary) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost codes through the value entered in the Thru Cost Code field.

Thru Cost Code

Specify the ending cost code (subsidiary) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost codes from the value entered in the From Cost Code field.

## 2. Default Cost Type Range

From Cost Type

Specify the beginning cost type (object) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost types through the cost type entered in the Thru Cost Type field.

Thru Cost Type

Specify the ending cost type (object) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost types from the value entered in the From Cost Type field.

## 3. Restrict Account Range

Specify whether to revise the range of accounts in the Default Cost Code Range and Default Cost Type Range processing options on the form. Values are:

Blank: Revise the range of accounts for display.

**1:** You cannot revise the range of accounts that appear on the form. The system disables the account processing options on the Additional Selections area of the form. You can, however, add accounts within the range specified.

## 4. AA Ledger

Specify whether to display the column for the actual amounts (AA ledger type). Values are:

Blank: Do not display actual amounts.

**1:** Display actual amounts.

## 5. AU Ledger

Specify whether to display the column for the actual units (AU ledger type). Values are:

Blank: Do not display actual units.

**1:** Display actual units.

## 6. JA Ledger-Original Budget (BORG)

Specify whether to display the original budget amounts (BORG field from the Account Balances table) for the JA ledger type. Values are:

Blank: Do not display original budget amounts for the JA ledger type.

**1:** Display original budget amounts for the JA ledger type.

## 7. JA Ledger-Original and Revised Budgets

Specify whether to display the original and revised budget amounts for the JA ledger type. Values are:

Blank: Do not display original and revised budget amounts for the JA ledger type. This is the default.

**1:** Display the original and revised budget amounts for the JA ledger type.

## 8. JU Ledger: BORG



Specify whether to display the column for the original budget units (BORG field from the Account Balances table) for the JU ledger. Values are:

Blank: Do not display original budget units.

**1:** Display original budget units.

### **9. JU Ledger**

Specify whether to display the column for the revised budget units in the JU ledger. Values are:

Blank: Do not display units.

**1:** Display units.

### **10. PA + AA Ledgers**

Specify whether to display the column for the total commitment amount (sum of the amounts from the PA and AA ledgers). Values are:

Blank: Do not display total commitment amount.

**1:** Display total commitment amount.

### **11. PA Ledger**

Specify whether to display the column for the open commitment amounts from the PA ledger. Values are:

Blank: Do not display open commitment amounts.

**1:** Display open commitment amounts.

### **12. PU + AU Ledgers**

Specify whether to display the column for the total commitment units (sum of the units from the PU and AU ledgers). Values are:

Blank: Do not display total commitment units.

**1:** Display total commitment units.

### **13. PU Ledger**

Specify whether to display the column for the open commitment units in the PU ledger. Values are:

Blank: Do not display open commitment units.

**1:** Display open commitment units.

### **14. HA Ledger**

Specify whether to display the column for the projected final amounts in the HA ledger. Values are:

Blank: Do not display projected final amounts.

**1:** Display projected final amounts.

### **15. HU Ledger**

Specify whether to display the column for the projected final units in the HU ledger. Values are:

Blank: Do not display projected final units.

**1:** Display projected final units.

### **16. Revised Budget Amt Ledgers-Original Budget (BORG)**

Specify whether to display the original budget amounts for the Revised Budget Amount Ledger Types defined in UDC 51/RB. Values are:

Blank: Do not display original budget amounts for the Revised Budget Amount ledgers (51/RB).

**1:** Display original budget amounts for the Revised Budget Amount ledgers (51/RB).

### **17. Revised Budget Amt Ledgers-Original and Revised Budgets**

Specify whether to display the original and revised budget amounts for the Revised Budget Amount Ledger Types defined in UDC 51/RB. Values are:

Blank: Do not display the original and revised budget amounts for the Revised Budget Amount ledgers(51/RB).

**1:** Display the original and revised budget amounts for the Revised Budget Amount ledgers(51/RB).

### **18. Revised Budget Unit Ledgers: BORG**

Specify whether to display the column for the sum of the original budget units (BORG field from the Account Balances table) for the revised budget ledgers. Values are:

Blank: Do not display the sum of the original budget units.

**1:** Display the sum of the original budget units.

### **19. Revised Budget Unit Ledgers**

Specify whether to display the column for the sum of the revised budget unit ledgers. Values are:

Blank: Do not display the sum of the revised budget unit ledgers.

**1:** Display the sum of the revised budget unit ledgers.

### **20. F% Ledger**

Specify whether to display the column for the percent complete (amount from the F% ledger). If the percent complete is zero, the system displays the result based on the method of computation that you assign to the account. Values are:

Blank: Do not display percent complete.

**1:** Display percent complete.

### **21. JA: AA Ledgers**

Specify whether to display the column for the budget variance amount (the difference between the amounts in the JA and AA ledgers). Values are:

Blank: Do not display the budget variance amount.

**1:** Display the budget variance amount.

### **22. JU: AU Ledgers**

Specify whether to display the column for the budget variance units (the difference between the units in the JU and AU ledgers). Values are:

Blank: Do not display budget variance units.

**1:** Display budget variance units.

### **23. HA: JA Ledgers**

Specify whether to display the column for the projected final over/under amounts (the difference between the amounts in the HA and JA ledgers). Values are:

Blank: Do not display projected final over/under amounts.

1: Display projected final over/under amounts.

#### 24. HU: JU Ledgers

Specify whether to display the column for the projected final over/under units (the difference between the units in the HU and JU ledgers). Values are:

Blank: Do not display projected final over/under units.

1: Display projected final over/under units.

## Versions

### 1. Progress Entry Version (P510212)

Specify the version of the Progress Entry program to use when you select Job Progress from the Form menu. If you leave this processing option blank, the system uses version ZJDE0001.

### 2. Budget Revisions Version (P510171)

Specify the version of the Budget Revisions program to use when you select Job Budgets, Budget Original from the Form menu. If you leave this processing option blank, the system uses version ZJDE0001.

### 3. Job Progress Entry Version (P510211)

Specify the version of the Job Progress Entry program to use when you select Account Progress from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

### 4. Select Button Exits

Specify the form to display when you select an account on the Work with Job Status Inquiry: Basic form. Values are:

Blank: Display the Progress Entry form.

1: Display the Progress Entry by Job form.

2: Display the Work With Account Ledger form.

## Reviewing Basic Job Information

The system uses processing option selections to determine the columns that display on the form.

Access the Work with Job Status Inquiry: Basic form.

### Revised Budget Amounts: JA

Enter the revised budget amounts in the JA ledger for the period specified.

### Revised Budget Units: JU

Enter the revised budget units in the JU ledger for the period specified.

### Original Budget Amounts: JA

Enter the amount from the BORG (budget original) field in the JA ledger for the period specified.

### Original Budget Units: JU

Enter the unit from the BORG (budget original) field in the JU ledger for the period specified.

### Total Commitment Amount

Enter the sum of the amounts for the period specified in the AA and PA ledgers for the period specified.

### Total Commitment Units

Enter the sum of the units for the period specified in the AU and PU ledgers for the period specified.

**Open Commitment Amounts**

Enter the amount for the period specified in the PA ledger for the period specified.

**Open Commitment Units**

Enter the unit in the PU ledger for the period specified.

**Projected Final Amounts**

Enter the amount in the HA ledger for the period specified.

**Projected Final Units**

Enter the unit in the HU ledger for the period specified.

**Budget Variance Amount**

Enter the difference between the amount in the JA ledger and the amount in the AA ledger for the period specified.

**Budget Variance Units**

Enter the difference between the unit in the JU ledger and the amount in the AU ledger for the period specified.

**Projected Final Over/Under Amounts**

Enter the difference between the amount in the HA ledger and the amount in the JA ledger for the period specified.

**Projected Final Over/Under Units**

Enter the difference between the unit in the HU ledger and the amount in the JU ledger for the period specified.

## Reviewing Job Information with User Defined Columns

This section provides an overview of the Job Status Inquiry-User Defined Columns program (P512000) and discusses how to:

- Define inquiry columns.
- Set processing options for Job Status Inquiry User Defined Columns (P512000).
- Review job information with user defined columns.

## Understanding Job Status Inquiry-User Defined Columns Program (P512000)

The Job Status Inquiry User Defined Columns program (P512000) provides the most flexibility for reviewing the important job or project information. Unlike the Job Status Inquiry Basic program, which retrieves information only from the Account Balances table, the P512000 program can retrieve information from both the Account Balances table and Account Ledger (F0911) table. You can use dates for partial periods and select unposted records from the F0911 table.

Using this program, you decide the columns to display, the sequence in which to display the information, and the search criteria to use to retrieve the information, such as dates, cost code ranges, posted status, and so on. Processing options let you specify default values for search criteria, and column versions let you save selected columns. By using both processing options and column versions, you can set up multiple versions of the inquiry program for different types of searches.

## Setting Up Columns

You select the columns to display on the Job Status Inquiry form from a list that contains the most frequently used columns. Each column on the list is set up using a formula that determines the type of information that the system retrieves. The standard formulas are hard-coded to retrieve amounts, units, and units at the header level of the account.

You use the Define Column Inquiry program (P51921) to add, review, and revise column information. The program provides a list of the standard formula numbers that are used in the predefined columns. You can create new columns to display additional information by setting up the standard formulas in an equation. You use the basic math symbols (+, -, \*, ÷) in conjunction with the standard formula numbers to create the equations for new columns. You can also use parentheses () to nest equations.

For example, original budget amounts for the JA ledger are hard-coded to use formula 2 and revised budget amounts are hard-coded to use formula 3. If you wanted to display the variance between these two amounts, you could set up a column for budget variance and enter the equation  $2 - 3$  as the formula. You can also create formulas for ledger types other than those used in the standard formulas, such as JA, AA, and HA, by completing the Description 01, Description 02, and Special Handling fields of user-defined code (UDC) 51/IL. When the fields are completed, the corresponding numeric codes for the amount and unit ledgers appear in the standard formula list.

See *Understanding UDCs for Job Cost*.

This program also provides a Multiplier field to assist you with keeping formulas simple. For example, if you wanted to multiply the result of the formula by 3, rather than using nested equations, you can enter 3 as the multiplier. You can also assign a data item to the column and use it to add glossary information.

The system stores column information in the Inquiry Columns table (F5192).

## Setting Up and Using Column Versions

When you finish setting up the Job Cost Inquiry form with the columns that you want, you can save the columns specified in a version. You can select up to 20 columns to appear on the form and save in a version, and you can save as many versions as you want. When you have a version saved, you enter that version into the Column Version field on the Job Status Inquiry form, and the system displays the columns specified. You create column versions by selecting Save Columns either directly from the Job Status Inquiry form or from the Form menu on the Job Status Inquiry form. When you save a version, the system displays an additional form that you use to name the version. The system stores versions by user ID.

Although you must specify columns for this program, you do not have to save them as versions. When you exit the job status inquiry program, the system automatically saves the columns that you set up as a column version and assigns it the user ID. When you access the program again, the system automatically uses the version that it saved for the user ID, unless you enter another column version. Using column versions, set up several inquiry formats that are interchangeable. Because you can modify column versions, using the feature is not a disadvantage. Column versions are also used by the progress entry programs.

To revise the columns in an existing version, you remove the columns from the column selection on the Job Status Inquiry form and save the version. You do not need to rename the version to revise it; however, you can use an existing version to create another version, that you can modify. To delete a column version, you must use the Column Versions - User Overrides program (P98950). Because this program is used by several systems, you must enter the program number for the P512000 in the Application field to display the correct versions, and then click Delete.

**Note:** Do not use the Copy feature in the Column Versions - User Overrides program to create new versions. The P512000 program does not recognize versions that are copied in this manner. To copy a version, save an existing version on the Job Status Inquiry form and assign it a new name.

## Forms Used to Review Job Information with User: Defined Columns

Form Name	Form ID	Navigation	Usage
Work with Job Status Inquiry Columns	W51921A	Job Cost Setup (G5141), Define Inquiry Columns	Review and select inquiry columns. Review the formula that is associated with an inquiry column.
Define Inquiry Columns	W51921B	Click Add on Work with Job Status Inquiry Columns form.	Create new inquiry columns.
Job Status Inquiry	W512000A	Job Cost Inquiries (G5112), Job Status Inquiry–User Defined Columns.	Review job information using a variety of search combinations and user-defined columns.
Save Column Version	W512000B	Select Save Columns either directly from the Job Status Inquiry form or from the Form menu on the form. on Job Status Inquiry.	Specify the version name under which you want to store and retrieve inquiry columns.
Work With User Overrides	W98950E	Job Cost Setup (G5141), Column Versions – User Overrides	Delete column versions that you no longer want to use.

## Defining Inquiry Columns

Access the Define Inquiry Columns form.

### Column Heading 1

Enter up to 10 characters to describe the first line of the column heading that appears on the Job Status Inquiry form. The system automatically centers this line for the column.

### Column Heading 2

Enter up to 10 characters to describe the second line of the column heading that appears on the Job Status Inquiry form. The system automatically centers this line for the column.

### Formula

Enter a predefined formula number or an equation using multiple formula numbers from the list of formulas that the system displays to calculate the value for column. The math symbols that you can use in the equation are:

- + Addition.
- Subtraction.
- \* Multiplication.
- / Division.
- () Left and right parenthesis for nesting equations.

### Multiplier

Enter the factor by which the amounts or units in a column are multiplied. The system multiplies the result of the calculation in the Formula field by the multiplier factor before it displays the result on the Job Status Inquiry form.

For example, if you want to scale large numbers to thousands, enter .001. If you want percentages to appear as whole numbers, enter 100.

### Data Item

Enter the data item from the Data Dictionary that describes the information about the column, which includes the related glossary description, display code, decimals, and item properties that the system uses. Changes to the column definition must be maintained using the Data Dictionary applications.

## Setting Processing Options for Job Status Inquiry User Defined Columns (P512000)

Processing options enable you to specify the default processing for programs and reports.

### Defaults

#### 1. Account Sequence

Specify the default value to display in the Sequence Code processing option to control the order in which the system displays account information. Values are:

Blank: Job, Cost Code, and Cost Type.

**1:** Account Category Code 01.

**2:** Account Category Code 02.

**3:** Account Category Code 03.

**A:** Alternate Cost Code.

**C:** Cost Code, Cost Type, and Job.

**O:** Job, Cost Type, and Cost Code.

**T:** Cost Type, Cost Code, and Job.

#### 2. Default Cost Code Range

From Cost Code

Specify the beginning cost code (subsidiary) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost codes through the value entered in the Thru Cost Code field.

## Thru Cost Code

Specify the ending cost code (subsidiary) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost codes from the value entered in the From Cost Code field.

### 3. Default Cost Type Range

#### From Cost Type

Specify the beginning cost type (object) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost types through the cost type that is entered in the Thru Cost Type field.

#### Thru Cost Type

Specify the ending cost type (object) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost types from the value that is entered in the From Cost Type field.

### 4. Default Company Number

Specify the company number to use as the default value for the corresponding field on the form.

### 3. Restrict Account Range

Specify the range of accounts in the Default Cost Code Range and Default Cost Type Range processing options to be modified on the form. Values are:

Blank: Revise the range of accounts for display.

**1:** You cannot revise the range of accounts that appears on the form. The system disables the account processing options on the Additional Selections area of the form. You can, however, add accounts within the range specified.

### 6. Column Version

Specify the column version to use as the default value for the corresponding field on the form.

### 7. Restrict Column Version

Revisions to the column versions. Values are:

Blank: Do not enable.

**1:** Enable.

### 8. Header Accounts

Specify whether to select the check box to display header accounts as default values. Values are:

Blank: Select the check box.

**1:** Do not select the check box.

### 9. Zero Accounts

Specify whether to select the check box to display accounts with zero amounts as the default value. Values are:

Blank: Do not select the check box.

**1:** Select the check box.

## Process

### 1. Account Ledger

#### Ledger Type 1

Specify the default ledger type to assign to the corresponding field when you access the Account Ledger Inquiry program (P09200) from the Row menu. If you leave this processing option blank, the system assigns ledger type **AA**.



## Ledger Type 2

Specify the default ledger type to assign to the corresponding field when you access the Account Ledger Inquiry program from the Row menu. If you leave this processing option blank, the system does not assign a default ledger type.

## Version Exits

Use these processing options to specify the default version to use for the program specified.

### 1. Account Progress Entry (P510211)

Specify the version of the Account Progress Entry program to use when you select Progress Entry, Account from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

### 2. Job Progress Entry (510212)

Specify the version of the Job Progress Entry program to use when you select Progress Entry, Job from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

### 3. Performance Based Labor Progress Entry (P510312)

Specify the version of the Performance Based Labor Progress Entry program to use when you select Progress Entry, Performance Labor from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

### 4. Original Budget (P510121)

Specify the version of the Original Budget program to use when you select Budgets, Budget Original from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

### 5. Budget Revisions (P510171)

Specify the version of the Budget Revisions program to use when you select Budgets, Budget Revisions from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

### 6. Scheduling Workbench (P48201)

Specify the version of the Scheduling Workbench program to use when you select Work Orders, WO Sch Workbench from the Form menu. If you leave this processing option blank, the system uses version ZJDE0001.

### 7. Account Ledger Inquiry Version (P19200)

Specify the version of the Account Ledger Inquiry program to use when you select General Accounting, Account Ledger from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

### 8. Select Button Exit

Specify the form to display when you select an account on the Job Status Inquiry form. Values are:

Blank: Display the Progress Entry form.

1: Display the Progress Entry by Job form.

2: Display the Work With Account Ledger form.

3: Display the Work With Performance Based Labor Activity form.

### 9. Job Forecast Details (P51F100)

Use this processing option to specify the version to use for the Job Forecast Details program (P51F100). This program is only available if the Advanced Job Forecasting system (51F) is active. If you leave this field blank, the system uses the default version ZJDE0001.

### 10. Job Status Inquiry Print (R512000P)

Use this processing option to specify the version to use for the Job Status Inquiry Print program (R512000P). If you leave this field blank, the system uses version XJDE0001.

## Reviewing Job Information with User-Defined Columns

Access the Job Status Inquiry form.

The Job Status Inquiry form has fields that you use to enter selection and display criteria.

This form displays header information that is related specifically to Options.

### Display

Select the Display tab.

#### **Job Posting Edit**

Enter the posting edit code that is assigned to the job or project in the Business Unit Master table (F0006).

#### **Column Version**

Enter the version of the inquiry columns that you want to display. If you leave this field blank, the system automatically displays the version that is associated with the user ID, which it created for you automatically the last time that you used the program. If no version is associated with the user ID, you must manually select the columns to display.

#### **From Date/Period and Thru Date/Period**

Enter the range of period numbers or dates to use to retrieve account information. If you enter dates for partial periods, the system retrieves the information from the Account Ledger table (F0911) and adds it to the period information from the Account Balances table.

### Additional Selections

Select the Additional Selections tab.

#### **Display Zero Accounts**

Select this check box to display accounts that have zero amounts.

#### **Display Header Accounts**

Select this check box to display header accounts.

#### **Display Header Description**

Select this check box to display the description for the header account if you selected the Display Header Accounts check box.

### Project

Select the Project tab.

#### **Job Type**

Enter the job type to use to select the records to display.

#### **List**

Select this option to display each account separately for each job.

If the search criteria displays multiple jobs by project or company, you can select to display each account separately or consolidate the information for the same account across multiple jobs and projects.

#### **Consolidation**

Select this option to display one summarized account for multiple jobs.

If the search criteria displays multiple jobs by project or company, you can select to display each account separately or consolidate the information for the same account across multiple jobs and projects.

## Options

Select the Options tab.

### **Skip From Category Code:**

Enter the first category code value in the range of category code values to select the records to display on the form. The system enables the Skip From Category Code and Skip To Category Code fields only when the value of the Sequence Code field is **1**, **2**, or **3**. Depending on the value, the system selects a range of values from category code 1, category code 2, or category code 3.

### **Skip Thru Category Code:**

Enter the last category code value in the range of category code values to select the records to display on the form. The system enables the Skip From Category Code and Skip To Category Code fields only when the value of the Sequence Code field is **1**, **2**, or **3**. Depending on the value, the system selects a range of values from category code 1, category code 2, or category code 3.

### **Skip From Alternate Cost Code:**

Enter the first alternate cost code in the range of alternate cost code values to select the records to display on the form. The system enables the Skip From Alternate Cost Code and Skip To Alternate Cost Code fields only when the value of the Sequence Code field is **A**.

### **Skip Thru Alternate Cost Code:**

Enter the last alternate cost code in the range of alternate cost code values to select the records to display on the form. The system enables the Skip From Alternate Cost Code and Skip To Alternate Cost Code fields only when the value of the Sequence Code field is **A**.

### **Sequence Code**

Enter the code that specifies the sequence that the system uses to display the accounts on the form. The system automatically displays the column based on the sequence that you select. For example, if you select **A**, the system adds the column for Alternate Cost Code. Values are:

Blank: Job, Cost Code, and Cost Type (Business Unit, Subsidiary, Object)

**1:** Account Category Code 01.

**2:** Account Category Code 02.

**3:** Account Category Code 03.

**A:** Alternate Cost Code.

**C:** Cost Code and Cost Type.

**O:** Job, Cost Type, and Cost Code.

**T:** Cost Type and Cost Code.

### **Activity Option**

Enter the code that describes how to limit the account information that the system displays based on the activity in the account. Values are:

**A:** Display only accounts with actual costs (AA ledger).

**B:** Display only accounts that have projected final amounts (HA ledger) that are less than 100 percent.

- C:** Display only accounts that have actual amounts (AA ledger) with a percent complete that is less than 100 percent.
- D:** Display only accounts that are 100 percent complete.
- E:** Display only accounts that have a projected final amount (HA) that is greater than the revised budget ledger value.
- F:** Display only accounts that have a projected final amount (HA) that is less than the revised budget ledger value.
- G:** Display only accounts that have actual amounts (AA ledger) or budget amounts.

### Days Prior to Date

Enter the number of days prior to the date entered in the Thru Date/Period field to use to retrieve account information. For example, if the through date is June 30, 2008, and you enter **5** in this field, the system uses a through date of June 25, 2008 to display account information.

You can use this field to display information for an irregular period of time, such as a five-day workweek, that occurs in the middle of a financial period.

**Note:** This field works only for the AA and AU ledgers, and affects only columns with formulas that include code 10, 30, or 50. The Days Prior to Date field has no effect on any other columns.

### Posted, Unposted, and All

Select one of these buttons to limit the account information that the system displays to posted or unposted transactions from the AA and AU ledgers.

## Columns

Select the Columns tab.

### Column 01throughColumn 10

Enter column names in these fields that correspond to the account information that you want to display.

## Job Codes

Select the Job Codes tab.

### Cat. Code 01throughCat. Code 25

Select a value from the user-defined code table that is associated with the category code.

## Account Codes

Select the Account Codes tab.

### Cat. Code 01throughCat. Code 23

Select a value from the user-defined code table that is associated with the category code.

## More Columns

Select the More Columns tab.

### Column 11throughColumn 20

Enter column names that correspond to the account information that you want to display.

## Reviewing Budget Information by Ledger Type

This section provides an overview of the Revised Budget by Ledger Type program (P51216) and discusses how to review budget information by ledger type.

### Understanding the Revised Budget by Ledger Type Program (P51216)

You use the Revised Budget by Ledger Type program (P51216) to review the activity for a specific account for all of the budget revision ledger types. The system provides a detail line for each budget ledger type that has amounts or units for the account specified. You can select whether to display amounts, units, or both. The program displays these fields for amounts and units, depending on the option that you select:

- Original budget
- Beginning balance
- YTD changes
- Revised budget

The system retrieves information from the Account Balances table based on the period or date that you specify.

### Form Used to Review Budget Information By Ledger Type

Form Name	Form ID	Navigation	Usage
Work With Revised Budget Account Balance	W51216A	Job Cost Inquiries (G5112), Revised Budget by Ledger Type	Review account balances for the revised budget ledger types that have amounts or units greater than zero.

## Reviewing Budget Information by Ledger Type

Access the Work With Revised Budget Account Balance form.

#### **Beg Balance Amount (beginning balance amount)**

Enter the cumulative prior year-end balance. The system uses this amount as the beginning balance for balance sheet and job cost accounts.

**Note:** Do not confuse this amount with the prior year-end net posting amount. The prior year-end net posting amount includes only the postings from the prior year. It does not include the ending balance of the previous year. The prior year-end net postings are typically used for profit and loss statement comparisons.

**YTD Changes Amount (year-to-date changes amounts)**

Enter the total amount to revise the original budget amount through the period or date specified.

**Revised Budget Amount**

Enter the sum of the original budget amount and the year-to-date changes amount.

## Reviewing Accounts Payable Information by Job

This section provides an overview of the Accounts Payable Inquiry by Job program (P04220) and discusses how to review accounts payable information by job.

### Understanding the Accounts Payable Inquiry by Job Program (P04220)

Use the Accounts Payable Inquiry by Job program (P04220) to review accounts payable vouchers that were matched during the procurement process, as well as those that were manually entered for the job by each supplier. This information helps you track the costs that are associated with each task of the job (based on supplier) and the job as whole.

The system displays the gross amount, open amount, discount information, dates (general ledger and invoice), and other referential information such as the invoice number, purchase order number, and bank account. You can review each pay item of the voucher separately or you can summarize all of the pay items to display information by document number. The program also provides information about whether the voucher is paid. If the voucher is paid, you can review payment information by selecting the voucher record.

Because this program is informational only, to revise voucher information or place the voucher on hold for payment, you must use the Standard Voucher Entry program (P0411).

The system displays information from the Accounts Payable Ledger table (F0411).

**Note:**

- *"Entering Standard Vouchers" in the JD Edwards EnterpriseOne Applications Accounts Payable Implementation Guide .*

### Form Used to Review Accounts Payable Information by Job

Form Name	Form ID	Navigation	Usage
Work With A/P Inquiry by Job	W04220A	Job Cost Inquiries (G5112), A/P Inquiry by Job	Review the open and paid vouchers that are associated with a specific job or supplier.

## Reviewing Accounts Payable Information by Job

Access the Work With Accounts Payable Inquiry by Job form.

### **Summarize**

Select this check box to display voucher transactions by document type instead of pay item. For example, if voucher 123 has 55 pay items, you can display each pay item of the voucher, or you can select the Summarize check box to display one detail line for the voucher; all the pay items are summarized into one document.





# 10 Tracking Job Progress

## Understanding Job Progress (Release 9.2 Update)

After you create the job master record, establish a cost code structure, define a schedule, and set up a budget for each account, you can track the progress of a job. Based on information that you enter, the system calculates the projected final values for amounts and units, which you can use to identify the amount of variance in the job's budgeted values. Ultimately, you use projected final values to calculate the job's percent complete when you perform profit recognition for the job.

When you start a job, you estimate the final costs and revenues that you expect at the completion of the job, and then you enter the budget accordingly. During the course of the job, the final projections may fluctuate. Depending on whether you lock the budget for revisions, the amount that you budget might not match projected final values. The sooner you react to variances in the projected final and budgeted final values, the sooner you can identify problems and correct them. The closer you are to the completion of the job, the more accurate the final projections become. At the end of the job, the final values are known with 100 percent certainty and should be equal to the projected final values.

The system calculates projected final values based on the method of computation that you assign to each cost code account. If you do not enter a method of computation for an account, the system automatically assigns **D** (Default). The method of computation controls how the system calculates the percent complete and both the projected final cost and projected final quantity for the account. You can select a number of different methods of computation from the JD Edwards EnterpriseOne Job Cost system. You can change the method of computation at any time during the job progress.

JD Edwards EnterpriseOne Job Cost provides four programs to assist you with tracking job progress:

- Field Progress Report (R51432B).
- Account Progress Entry (P510211).
- Job Progress Entry (P510212).
- Performance Based Labor Progress Entry (P510312).

Based on the method of computation, the system lets you update specific fields, such as the projected final values, or protects fields from update. You can change to actual units, unless the account is specified in the field progress protection automatic accounting instructions (AAIs). These AAIs prevent you from updating the Actual Units field for the account, which might be useful when it is updated by other systems, such as JD Edwards EnterpriseOne Payroll and JD Edwards EnterpriseOne Accounts Payable.

All job progress entry programs display job information from the Account Balances table (F0902) for these ledgers:

- Actual (AA/AU).
- Revised budget (JA/JU + any additional ledgers that you define).
- Open commitments (PA/PU).
- Forced projected final values (FA/FU).
- Forced percent complete (F%).
- Projected final amount and quantities (HA/HU)

## Understanding Computation Methods

The method of computation determines the fields to which you have access to affect the projected final values, and ultimately, the percent complete. Some methods can be assigned to accounts at the header level only. Other methods cannot be used with revenue accounts. Some methods let you enter (force) revisions that affect projected final values, while other methods use the system to calculate projected final values.

If the computation method lets you force projected final values, enter an incremental change (the number that you want to add or subtract) or the total projected final value. The job progress applications have separate fields for forcing units and amounts. Regardless of which method you use to affect the projected final values, the system updates the net change in the FA/FU ledger.

Update the percent complete and the system updates the F% ledger. If you cannot update the percent complete, the system calculates it automatically based on the method of computation. The system does not store the system-calculated percent complete in the F% ledger. Depending on the computation method, the system displays either the value from the F% ledger or the system-calculated value on the Job Status Inquiry form.

Because each computation method affects different ledgers, and because revised budget ledgers can include user-defined ledgers in addition to JA/JU, the tables describe the ledgers used in the calculations and the abbreviations used in the discussion of computation methods:

Ledger Type	Description
AA/AU	Actual amounts and units.
PA/PU	Open commitment (purchase order) amounts and units.
HA/HU	Projected final amounts and units
FA/FU	Projected final amounts and units that you force. The system adds the value in FA/FU to the value for the revised budget ledger to calculate projected final values (HA and HU).
IA/IU	System-generated revisions to the budget values.
F%	Percent complete value that you enter.  The system does not update the F% ledger with system calculated percent complete values.
RA	Remaining units ledger. Because the system updates RA with unit rate values, the RU ledger does not exist. The system calculates remaining amounts using the formula: HA – AA.

Abbreviation	Description
RBLA	The sum of JA and other user-defined revised budget ledger amounts.

Abbreviation	Description
RBLU	The sum of JU and other user-defined revised budget ledger units.
PC	The percent complete that appears on the Job Status Inquiry form and reports. The system calculates this value for informational purposes. The system uses the percent complete for the job to calculate profit recognition.
RBLUR	The revised budget ledger unit rate, which the system calculates using the formula $RBLA / RBLU$ .
AUR	The actual unit rate, which the system calculates using the formula $AA / AU$ .
ETCU	The estimate-to-complete units. This is the estimated number of units that are required to complete the task.
ETCA	The estimate-to-complete amount. This is the estimated amount that is required to complete the task.
EACU	The estimate-at-completion units. This is the same as HU, except that it updates the BORG field instead of the net posting period field.
EACA	The estimate-at-completion amount. This is the same as HA, except that it updates the BORG field instead of the net posting period field.
RMA	The remaining amount, which the system calculates using the formula $HA - AA$ .
RMU	The remaining units, which the system calculates using the formula $HU - AU$ .

You can assign the following Information to each computation method:

- The type of account to which you can assign the computation method.
- The formula that the system uses to calculate the percent complete for the account, unless the computation method lets you enter it.
- The formula that the system uses to calculate the final projected units for the account.
- The formula that the system uses to calculate the final projected amount.
- The effect of changes on one account to related accounts (such as the header or detail account).

## Method D (Default)

Method D is the most common method used to compute projected final values. Because it is used most frequently, the system uses method D as the default computation method when you add new accounts to a job.

- Assign to header and detail accounts.
- The system calculates PC using the formula  $AA / HA * 100$

## Rules for Calculating Projected Final Units (HU)

The system calculates HU using one of the two formulas  $AU + PU$  or  $RBLU$ , whichever is greater.

## Rules for Calculating Projected Final Amounts (HA)

The system calculates HA using one of the two formulas  $AA + PA$  or  $RBLA$ , whichever is greater.

## Method F (Forced)

You assign method F to accounts that are not revenue accounts when you want to force the projected final values.

- Assign to header and detail accounts.
- Force PC (F%) for informational purposes only; the system does not use the value that you enter for calculations.
- If you do not force PC, the system calculates it using the formula  $AA / HA * 100$ .

## Rules for Calculating Projected Final Units (HU)

Follow these rules:

- If you force projected final units (FU), the system calculates HU using one of the two formulas  $RBLU + FU$  or  $AU$ , whichever is greater.
- If you do not force projected final units, the system calculates HU using one of the two formulas  $AU + PU$  or  $RBLU$ , whichever is greater.

## Rules for Calculating the Projected Final Amounts (HA)

Follow these rules:

- If you force a projected final amount (FA), the system calculates HA using one of the two formulas  $RBLA + FA$  or  $AA$ , whichever is greater.
- If you do not force a projected final amount, the system calculates HA using one of the two formulas  $AA + PA$  or  $RBLA$ , whichever is greater.

## Method G (Budget Default: Forced)

You assign Method G to revenue and cost accounts. Method G is identical to Method F, with the following exceptions:

- The projected final values can be less than zero.
- The projected final values can be less than the actual value.

For Method G, the following rules apply:

- You can enter projected final units and amounts.
- You can enter projected units and amounts that the project is over or under.
- You can enter percent complete, but you cannot use it to calculate projections.
- You can enter actual units.

## Rules for Calculating Projected Final Units (HU)

Follow these rules:

- If you force projected final units (FU), the system calculates HU using the formula  $RBLU + FU$ .

- If you do not force projected final units, the system calculates the HU using the formula  $AU + PU$  or  $RBLU$ , whichever is greater.

## Rules for Calculating the Projected Final Amount (HA)

Follow these rules:

- If you force a projected final amount (FA), the system calculates HA using the formula  $RBLA + FA$ .
- If you do not force a projected final amount, the system calculates the HA using the absolute values in the formula  $AA + PA$  or  $RBLA$ , whichever is greater.

## Method A (Account: Forced)

You assign method A to header accounts to project final values when you want the revised budget amounts to equal actual amounts for all detail accounts that share the same cost code as the header.

- Assign to header accounts.
- The system calculates PC using the formula  $AA / HA * 100$ .
- The system updates RBLA and RBLU to equal AA and AU, respectively, for detail accounts.

For example, if the actual amount is 5,000 and the revised budget amount is 6,000 for the header account, the system updates the revised budget to equal 5,000 and generates a record in table F0902 to the IA ledger for – 1,000.

The system updates the IA and IU ledgers with the change to the revised budget amounts that the system uses to make AA equal to RBLA and AU equal to RBLU. By updating the IA and IU ledgers, the system provides an audit trail of the changes made to the budget.

## Rules for Calculating Projected Final Units (HU)

Follow these rules:

- If you force projected final units (FU), the system calculates HU using one of the two formulas  $RBLU + FU$  or  $AU$ , whichever is greater.
- If you do not force projected final units, the system calculates HU using one of the two formulas  $AU + PU$  or  $RBLU$ , whichever is greater.

## Rules for Calculating the Projected Final Amount (HA)

The system calculates the HA using one of the two formulas  $AA + PA$  or  $RBLA$ , whichever is greater.

## Method P (Percent Complete)

You assign method P to accounts for which you want to enter the percent complete to calculate projected final values.

- Assign to header and detail accounts.
- Enter PC (F%); otherwise, the system calculates it using the formula  $(AA / HA) * 100$ .

## Rules for Calculating Projected Final Units (HU)

Follow these rules:

- If PC (F%) is zero or less than the job threshold percent, the system calculates HU using one of the two formulas  $AU + PU$  or  $RBLU$ , whichever is greater.
- If PC (F%) is greater than the job threshold percent and AU is not zero, the system calculates HU using the formula  $AU / F\%$ .
- If PC (F%) is equal to or greater than 100, the system uses AU as HU.

## Rules for Calculating the Projected Final Amount (HA)

Follow these rules:

- If PC (F%) is zero or less than the job threshold percent, the system calculates HA using one of the two formulas  $AA + PA$  or  $RBLA$ , whichever is greater.
- If PC (F%) is greater than the job threshold percent and AA is not zero, the system calculates HA using the formula  $(AA / F\%) * 100$ .
- If PC (F%) is equal to or greater than 100, the system uses AA as HA.

## Method Q (Quantities)

You assign method Q when you want to measure an account's progress based on the quantities entered.

- Assign to header and detail accounts.
- The system calculates PC using the formula  $AU / HU * 100$ .

## Rules to Calculate Projected Final Units (HU)

Follow these rules:

- If you force projected final units (FU), the system calculates HU using one of two formulas,  $RBLU + FU$  or  $AU$ , whichever is greater.
- If you do not force projected final units, the system calculates HU using one of two formulas,  $AU + PU$  or  $RBLU$ , whichever is greater.

## Rules to Calculate the Projected Final Amount (HA)

Follow these rules:

- If PC equals 100 and AA is greater than zero, HA equals AA.
- If PC equals 100 and AA equals zero, HA equals RBLA.

If PC is less than 100, the system compares it to the value in the Threshold % Complete field for the job on the Job Master Revisions form to calculate HA. The system calculates HA based on the first condition that applies:

1. If AA is not zero, and PC is greater than the job threshold percent, the system calculates HA using the formula  $AA / PC$ .
2. If RBLUR is not zero, and AA is not zero, the system calculates HA using the formula  $RBLUR * HU$ .
3. If AUR is not zero, the system calculates HA using the formula  $AUR * HU$ .
4. If none of the conditions apply, the system calculates HA using one of two formulas,  $AA + PA$  or  $RBLA$ , whichever is greater.

## Method C (Percent Complete from Cost Code Header)

You assign method C when you want to use the percent complete from the header account to calculate the final projected values for the detail accounts. You must use method C in conjunction with either method P or method Q, or the system uses actual values (AA and AU) as projected final values (HA and HU) for the detail accounts.

- Assign to detail accounts.
- If you assign method P to the header account, the system uses the value of PC (F%) for the detail account that is assigned method C.
- If you assign method Q to the header account, the system calculates PC for the detail account that is assigned method C using the formula  $AU / HU * 100$ .

### Rules to Calculate Projected Final Units (HU)

Follow these rules:

- If PC for the header account = 100,  $HU = AU$ .
- If PC for the header account is greater than the job threshold percent, and AU is not zero, the system calculates HU using the formula  $AU / PC$  (from the header account).
- If PC for the header account is less than the job threshold percent or zero, the system calculates HU using one of the two formulas  $AU + PU$  or  $RBLU$ , whichever is greater.

### Rules to Calculate the Projected Final Amount (HA)

Follow these rules:

- If PC for the header account = 100,  $HA = AA$
- If PC for the header account is greater than the job threshold percent, and AA is not zero, the system calculates HA using the formula  $AA / PC$  (from the header account).
- If PC for the header account is less than the job threshold percent or zero, the system calculates HA using one of the two formulas  $AA + PA$  or  $RBLA$ , whichever is greater.

## Method O (Override)

You assign method O when you want to enter projected final values or the percent complete. The system calculates projected final values and the percent complete differently, using computation methods previously described, depending on the information that it locates from the ledgers and the information that you enter.

The table lists the method of computation or the calculation that the system uses when the corresponding fields or ledgers have values.

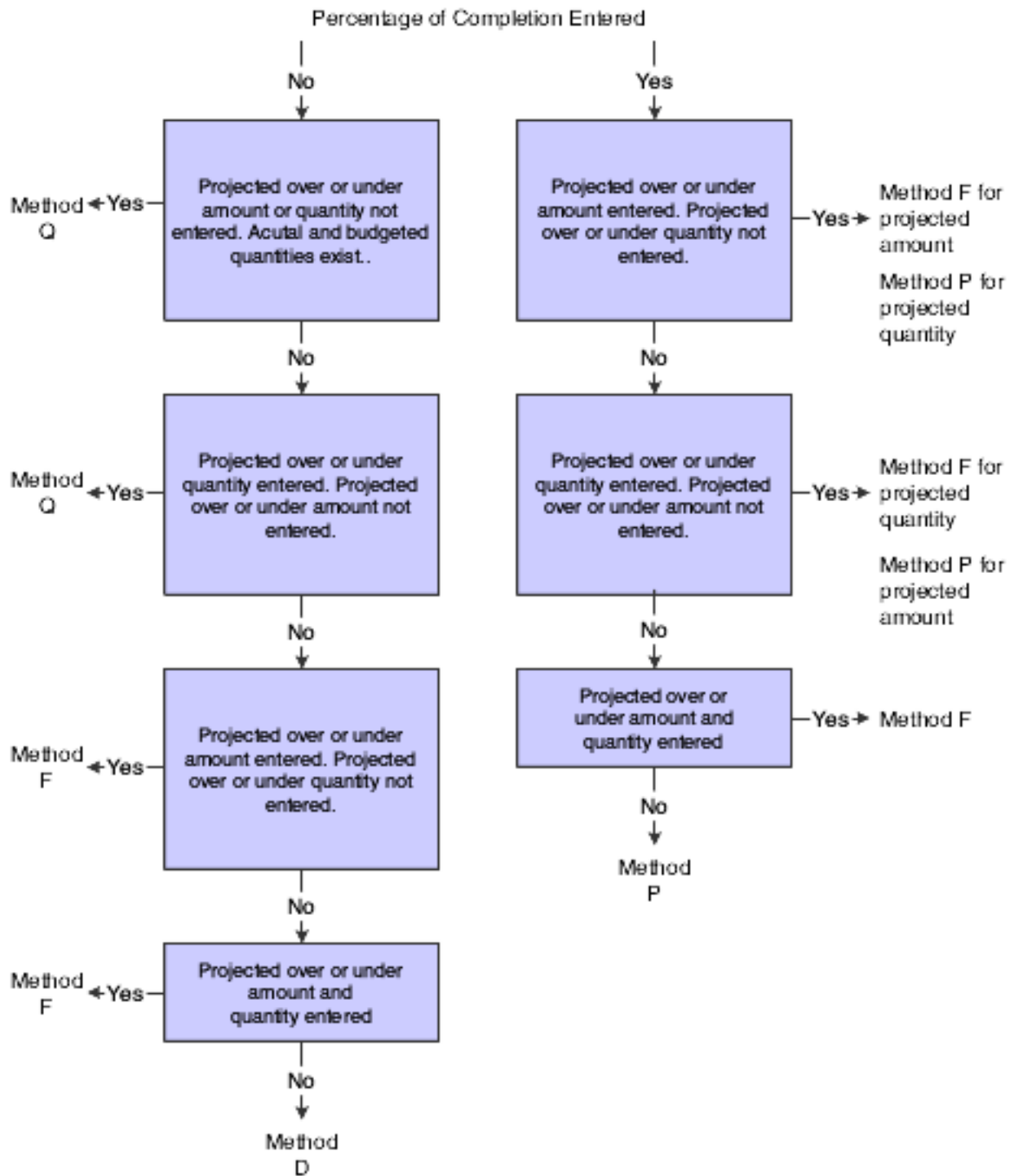
- Assign to header and detail accounts.
- If PC is not forced (F%), the system calculates it using the formula  $(AU / HU) * 100$ .

Percent Complete Entered (F%)	Projected Final Amount Entered (FA)	Projected Final Units Entered (FU)	Method of Computation for Amounts	Method of Computation for Units
Y	Y	N	F	P
Y	N	Y	P	F
Y	Y	Y	F	F
Y	N	N	P	P
N	N	N	Q*	Q*
N	N	Y	Q	Q
N	Y	N	F	F
N	Y	Y	F	F

\* The system uses method Q only if actual units and revised budget ledger units have values; otherwise, the system uses method D.

This diagram illustrates method O:





## Methods S and I (Summary and Inclusion)

You assign method S when you want to use method O and summarize amounts for accounts at a lower level of detail. You use method S only in conjunction with method I.

- Assign method S to header accounts or detail accounts for which lower levels of detail exist.  
If you assign method S to a header account, the detail accounts that follow must be set up with the same cost code. If you assign method S to a detail account, accounts at a lower level of detail must exist for that cost code. That is, detail to summarize must exist.
- Assign method I to detail accounts only.
- The system summarizes amounts (AA, PA, and RBLA only) to calculate HA for accounts that are assigned methods S and I.
- For accounts that are assigned method S, the system uses method O to calculate HA and HU. The system uses F% for PC, if it is entered, otherwise it calculates PC using the formula  $(AA/HA) * 100$ .
- The system does not calculate HA, HU, or PC on accounts that are assigned method I.

The example shows how you might assign methods S and I to the accounts for the job:

Account Number	Level of Detail	Method
501.02200	4	D
501.02200.1340	8	S
501.02200.1341	9	I
501.02200.1342	9	I
501.02200.1343	9	I
501.02600	4	D
501.02600.1340	8	S
501.02600.1341	9	I
501.02600.1342	9	I
501.02600.1343	9	I

**Note:** The process of summarizing accounts requires a large amount of system resources and should be limited to situations in which it is necessary. For example, when you post amounts to one detail account, depending on how many detail accounts are summarized, the system must retrieve the appropriate amounts from all of the affected ledgers for all accounts that are summarized to recalculate and update the summary account. The more accounts that you summarize, the longer the process time.

## Method E (Estimate to Complete)

You assign method E when you want to determine the estimated amount or estimated units that are required to complete the task and to calculate projected final values. You must use the Job Progress Entry program to display the ETC (estimate-to-complete) fields.

- Assign to header and detail accounts.
- The system calculates PC using the formula  $AA / HA * 100$ .

### Rules to Calculate Projected Final Units (HU)

You can update either the ETCU (estimate-to-complete units) or the EACU (estimate-at-completion units) field.

**Note:** Regardless of which field you update, the system updates the new projected final values into the BORG field of the HU ledger, and the balance/adjustment is made through the net posting field.

- If you enter estimate-to-complete units, the system calculates HU using the formula  $ETCU + AU$ .
- If you enter the EACU value, the system calculates difference between EACU and AU and displays ETCU.
- If EACU is zero, the system calculates HU using one of the two formulas  $AU + PU$  or  $RBLU$ , whichever is greater.

### Rules to Calculate the Projected Final Amount (HA)

You can update either the ETCA (estimate-to-complete amount) or the EACA (estimate-at-completion amounts) field:

**Note:** Regardless of which field you update, the system updates the new projected final values into the BORG field of the HA ledger, and the balance/adjustment is made through the net posting field.

- If you enter the estimate-to-complete amount, the system calculates HA using the formula  $ETCA + AA$ .
- If you enter the EACA value, the system calculates difference between EACA and AA and displays ETCA.
- If EACA is zero, the system calculates HA using one of the two formulas  $AA + PA$  or  $RBLA$ , whichever is greater.

## Methods H and L (Labor Quantity and Labor)

You assign methods H and L when you want to measure the progress of labor (or other similar accounts) based on quantities in place and earned values.

### Rules for Method H

Follow these rules:

- Assign to header accounts.

- The system calculates PC using the formula  $(AU / HU) * 100$ .
- The system uses RBLU as HU.
- The system uses RBLA as HA.

## Rules for Method L

Follow these rules:

- Assign to detail accounts.

If you have a labor account that serves as a summary account for labor accounts at a lower level of detail, such as regular labor and overtime labor, assign method L to the labor account at the highest level of detail and method N or method I to accounts at the lower level of detail.

**Note:** The unit of measure should be the same for all of the detail accounts.

- The system calculates PC using the formula  $(AU / HU) * 100$ .

## Rules for Calculating Projected Final Units (HU)

The system compares PC from the header account to the Threshold % Complete field on the Job Master Revisions form to determine the calculation for HU:

- If PC is less than the threshold percent, the system uses the RBLU as HU.
- If PC is greater than or equal to the threshold percent, and you force projected final units (FU), the system calculates HU using the formula  $RBLU + FU$ .
- If PC is greater than or equal to the threshold percent and you do not force projected final units (FU), the system calculates HU based on performance factor units that it calculates using earned value units:

- Earned value units = PC (calculated from the header account) \* revised budget labor hours (sum of RBLU for detail accounts).

For example, if the task is earthwork, and the percent complete is 40, and the revised budget labor hours (RBLU) are 230, the earned value units = 92.

- Performance factor units = actual labor units (summarized) / earned value unit.

For example, if the task is earthwork, and the actual labor units (AU) = 150, and the earned value units = 92, the performance factor for units = 1.63.

- $HU = RBLU * \text{performance factor units}$ .

Using the values from the previous examples,  $HU = 230 (RBLU) * 1.63 (\text{performance factor units})$  or 374.9.

## Rules for Calculating the Projected Final Amount (HA)

The system compares PC from the header account to the Threshold % Complete field on the Job Master Revisions form to determine the calculation for HA:

- If PC is less than the threshold, the system uses the RBLA as HA.
- If PC is greater than or equal to the threshold percent, and you force a projected final amount (FA), the system calculates HA using the formula  $RBLA + FA$ .

- If PC is greater than or equal to the threshold percent and you do not force a projected final amount, the system calculates HA based on a performance factor amount that it calculates using an earned value amount:
  - Earned value cost = PC (calculated from the header account) \* revised budget labor cost (sum of RBLA for detail accounts).  
  
For example, if the task is earthwork, and the percent complete is 40, and the revised budget labor costs are 30,000, the earned value cost = 12,000.
  - Performance factor amount = actual labor costs (summarized) / earned value cost.  
  
For example, if the task is earthwork, and the actual labor costs (AA) = 11,500, and the earned value cost = 12,000, the performance factor amount = .9533.
  - HA = RBLA x performance factor amount.  
  
Using the values from the previous examples, HA = 30,000 (RBLA) \* .9533 (performance factor amount) or 28,599.

## Method B (Buyout or Fixed Price Contracts)

You assign method B to accounts that are used for contracts, services, or noninventory purchase orders. You use this method of computation when you want projected final values to equal total commitments.

- Assign to detail accounts.
- The system calculates PC using the formula  $AA / HA * 100$ .

### Rules for Calculating Projected Final Units (HU)

Follow these rules:

- The system calculates HU using the formula  $AU + PU$ .
- If  $AU + PU = \text{zero}$ , the system uses RBLU as HU.

### Rules for Calculating the Projected Final Amount (HA)

Follow these rules:

- The system calculates HA using the formula  $AA + PA$ .
- If  $AA + PA = \text{zero}$ , the system uses RBLA as HA.

## Method R (Revenue: Unit Price Contract)

You assign method R when a contractor is paid based on the quantities in place.

- Assign to header accounts.
- The system calculates PC using the formula  $AU / HU * 100$ .

- The system calculates the rate of change for the Budget Units (FU/HU) at the Header Level) multiplies the calculated rate by the RBLU and RBLA values for each detail and Header account, and updates the result to IA/IU ledger for all accounts that roll up to the Header Cost Code.  
For example, if the HU is 1000, and it is changed by entering a new projected final Units (HU) of 1100, the system calculates the rate of change as  $100 \div 1000 \times 100$  or 10 percent. The 100 units of the change are entered into the IU Ledger Type. If the RBLA = 1,000, the system multiplies it by .10 and updates the IA ledger with the amount of the change (100). The 10% change is applied to all RBLA and RBLU rows in the Cost Code including the Cost Code Header.

## Rules for Calculating Projected Final Units (HU)

The system calculates HU using one of the two formulas RBLU or AU + PU, whichever is greater.

## Rules for Calculating the Projected Final Amount (HA)

The system calculates the HA using one of the two formulas AA + PA or RBLA, whichever is greater.

## Method U (Remaining Unit Rate)

You assign method U to detail accounts when you want to calculate the remaining amount that is necessary to complete the task. To do this, the system uses the remaining quantity and unit rate from the related header account.

- Assign to detail accounts.
- The system calculates PC using the formula  $(AA / HA) * 100$ .
- You can enter a remaining unit rate (RA). The system updates the RA ledger with the rate that you specify.

## Rules for Calculating Rates for the Header Account

Follow these rules:

- The system calculates the remaining units (RMU) for the header account using the formula  $HU - AU$ .
- The system calculates the actual unit rate (AUR) for the header account using the formula  $AA$  (from the detail account) /  $AU$  (from the header account).
- The system calculates the revised budget ledger unit rate (RBLUR) for the header account using the formula  $RBLA$  (from the detail account) /  $RBLU$  (from the header account).

## Rules for Calculating Projected Final Units (HU)

Follow these rules:

- The system calculates HU for the detail account using the formula  $HA / AUR$ .
- If AUR is zero, the system calculates HU using one of the two formulas AU + PU or RBLU, whichever is greater.

## Rules for Calculating the Projected Final Amounts (HA)

Follow these rules:

- The system calculates the remaining amount (RMA) according to this hierarchy:
  - a. If the RA is not zero, the system calculates RMA using the formula  $RMU * RA$ .
  - b. If RA is zero, the system calculates the remaining amount (RMA) using one of two formulas:  $RMU * AUR$  from the header account or  $RU * RBLUR$  from the header account, whichever is greater.

- If RMA is not zero, the system calculates HA using the formula  $AA + RMA$ .
- If RMA is zero, the system calculates HA using one of the two formulas  $AA + PA$  or  $RBLA$ , whichever is greater.

## Method V (Absolute Value)

You assign method V to revenue accounts that have credit balances, when the projected final values will be less than zero.

- Assign to header or detail accounts.
- The system calculates PC using the formula  $AA / HA * 100$ .

## Rules for Calculating Projected Final Units (HU)

The system calculates HU using the greater of these three formulas:

- The absolute value of  $RBLU$ .
- The absolute value of  $AU + PU$ .
- The absolute value of  $AU$ .

## Rules for Calculating the Projected Final Amount (HA)

The system calculates HA using the greater of these three formulas:

- The absolute value of  $RBLA$ .
- The absolute value of  $AA + PA$ .
- The absolute value of  $AA$ .

## Method N (No Projection)

You assign method N when you do not want the system to calculate projected final values or the percent complete. Assigning this method eliminates the possibility of duplicate entries generated for projected final values when progress is calculated and tracked at the header level of the account.

- Assign to header and detail accounts.
- The system does not calculate HA, HU, or PC.

## Method T (Total)

The system assigns method T automatically to the accounts that it generates for totals based on the level of detail. However, you can use it to force projected final units (FU).

- Assign to header accounts.

Although you can assign method T to any header account, you do not need to because the system generates the information for you for each header account.

- The system calculates PC using the formula  $(AA / HA) * 100$ .

## Rules for Calculating Projected Final Units (HU)

Follow these rules:

- If you force projected final units (FU), the system calculates HU using one of the two formulas  $RBLU + FU$  or  $AU$ , whichever is greater.
- If you do not force projected final units, the system calculates HU using one of the two formulas  $AU + PU$  or  $RBLU$ , whichever is greater.

**Note:** The Job Status Inquiry programs do not provide totals for units unless the unit of measure assigned to all of the detail accounts is the same.

## Rules for Calculating the Projected Final Amount (HA)

The system does not calculate HA. If the total is system-generated, the system summarizes the projected final amounts of the detail accounts to provide a total.

The table shows the accounts that the system creates based on the level of detail:

Account	Level of Detail	Method of Computation
169.02000	4	N
169.02200.	5	N
169.02200.1340	8	D
169.02200.1341	9	D
169.02200.1342	9	D
169.02200.1343	9	D
169.02200.1340	8	T
169.02200	5	T
169.02000	4	T



## Method X

You use Method X for revenue accounts. Method X is identical to Method F with the following exceptions:

- The projected final value can be less than zero.  
The projected final value can be less than the actual value.
- If you do not enter projected value that the project is under or over the projected final values, projected final values equal the revised budget values.

For Method X, the following rules apply:

- You can enter projected final units and amounts.
- You can enter projected units and amounts that the project is over or under.
- You can enter percent complete, but you cannot use it to calculate projections.
- You can enter actual units.

### Rules for Calculating Projected Final Units (HU)

Follow these rules:

- If you force projected final units (FU), the system calculates HU using the formula  $RBLU + FU$ .
- If you do not force projected final units, the system calculates the HU by assigning the value of RBLU.

### Rules for Calculating Projected Final Amount (HA)

Follow these rules:

- If you force a projected final amount (FA), the system calculates HA using the formula  $RBLA + FA$ .
- If you do not force a projected final amount, the system calculates the HA by assigning the value of RBLA.

## Quick Reference to Computation Methods

These tables show the type of account to which you can assign each MOC (method of computation) and the fields that you can revise for each computation method:

MOC by Account Type	A	B	C	D	E	F	G	H	I	L	N	O	P	Q	R	S	T	U	V
Revenue	N	N	N	N	Y	N	Y	N	N	N	N	N	N	N	Y	N	N	N	Y
Header Only	Y	N	N	N	N	N	N	Y	N	N	N	N	N	N	Y	N	Y	N	N
Detail Only	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	N
Header and Detail	N	N	N	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	N	Y	N	N	Y

You can update unit values for the AU ledger.

This table displays the methods of computation for which you can force projected final values or the percent complete; otherwise, the system calculates the values based on the formulas described for each method.

Fields to Revise	A	B	C	D	E	F	G	H	I	L	N	O	P	Q	R	S	T	U	V
Percent Complete (F %)	N	N	N	N	N	Y	Y	N	N	N	N	Y	Y	N	N	Y	N	N	N
Projected Final Amount – Forced (FA)	N	N	N	N	N	Y	Y	N	N	Y	N	Y	N	N	N	Y	N	N	N
Projected Final Units – Forced (FU)	Y	N	N	N	N	Y	Y	N	N	Y	N	Y	N	Y	Y	Y	Y	N	N
Remaining Unit Rate (RA)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
HU – Projected Final Units (BORG only)	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
HA – Projected Final Amount (BORG only)	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N

## Prerequisites

Before you complete the tasks described in this chapter, you must:

- Set up any additional revised budget ledger types that you want to use to track job progress.  
See *Setting Up Ledger Types for Job Cost*.
- Verify that the field progress AAls are set up correctly.  
See *Setting Up AAls for Job Cost*.
- Verify that the Job Cost constants are set up correctly.  
See *Setting Up Job Cost Constants*.

## Common Fields Used in This Chapter

### Ref No (reference number)

Enter the number to use to group and identify associated accounts for field progress changes.

You can control this number with a field.

**MC (method of computation)**

Enter the method of computation to use to calculate the percent complete and the projected final amounts and units for an account. The method of computation that you enter is a hard-coded value from user-defined code (UDC) table (51/MC).

**+/- Actual Units**

Enter the number by which you want to change the actual unit quantity. For example, to increase the number of units by 50, enter **50**. To decrease the number of units by 50, enter **-50**. The system updates the AU ledger with the change that you enter and displays it on the form.

**Force +/- Units**

Enter the number of units by which you want to change the projected final unit. For example, to increase the number of units by 50, enter **50**. To decrease the number of units by 50, enter **-50**. The system stores the number that you enter in the FU ledger, changes the value in the Forced Total Units and Projected Final Units fields, and updates the HU ledger. The system displays this field only for computation methods A, F, G, L, O, Q, R, S, and T.

**Force +/- Amount**

Enter the amount by which you want to change the projected final amount. For example, to increase the amount 50, enter **50**. To decrease the amount by 50, enter **-50**. The system stores the amount that you enter in the FA ledger, changes the value in the Forced Total Amount and Projected Final Amount fields, and updates the HA ledger. The system displays this field only for computation methods F, G, L, O, and S.

**Force Total Units**

Enter the total number of projected final units. The system stores the number that you enter in the FU ledger, changes the value in the Force +/- Units and Projected Final Units fields, and updates the HU ledger. The system displays this field only for computation methods A, F, G, L, O, Q, R, S and T.

**Force Total Amount**

Enter the total projected final amount. The system stores the amount that you enter in the FA ledger, changes the value in the Force +/- Amount and Projected Final Amount fields, and updates the HA ledger. The system displays this field only for computation methods F, G, L, O, and S.

## Generating the Field Progress Report

The section provides an overview of the Field Progress Report and discusses how to:

- Run the Field Progress Report (R51432B).
- Set processing options for Field Progress Report (R51432B).

## Understanding the Field Progress Report

To calculate projected final information, you must first estimate the progress information for each task of the job. You generate the field progress report to use as a worksheet that you can take with you to the job site to record the units, hours, costs, and any other information that is relevant to the completion of the job that you want to track. Then you can enter the information into the system to calculate the percent complete and the projected final values.

The Field Progress Report prints all of the information that you need to record job progress: the cost code and cost type, method of computation, revised budget information, actual amounts and units, projected final amounts and units, and the amount and units that the project is over or under the budget.

You use data selection to specify the jobs to print, and processing options to specify the level of detail for each cost code that you want to print. You can also select information by subledger and subledger type.

## Running the Field Progress Report

Select Progress Entry & Reporting (G5121), Field Progress Report.

## Setting Processing Options for Field Progress Report (R51432B)

Processing options enable you to specify the default processing for programs and reports.

### Defaults

#### 1. As of date

Specify the date on which the report should be based. If you leave this processing option blank, the system uses the current financial reporting date that is assigned to the company that is assigned to the job.

#### 2. Subledger

Enter a subledger on which to select accounts. Use this processing option in conjunction with the Subledger Type processing option. Enter \* to specify all subledgers.

#### 3. Subledger Type

Enter the subledger type that corresponds to the subledger that you specified in the Subledger processing option. The subledger type that you enter must be set up in UDC 00/ST.

#### 4. Account Level of Detail

Specify the level of detail (values 3 through 9) to use to print accounts. The system prints accounts for levels of detail that are higher (less detailed) than the value that you enter. For example, if you enter **5** in this processing option, the system displays accounts at levels of detail 1, 2, 3, 4, and 5 only. If you leave this processing option blank, the system uses a default value of **9** and prints all accounts.

#### 5. Underlines

Specify whether to print underlines on the report. Values are:

Blank: Print an underline after every processing option value.

**1:** Print an underline only under those processing options in which you can enter values based on the computation method.

## Entering Account Progress Information

This section provides an overview of the Account Progress Entry program and discusses how to:

- Set processing options for Account Progress Entry (P510211).
- Enter account progress information.

## Mobile Enterprise Applications for Field Progress Entry and Field Status Review

The following mobile applications are available, and can be used to manage field progress entry and field status review on a mobile device:

- Mobile Field Progress Entry (Tablet)
- Mobile Field Progress Labor Entry (Smartphone)
- Mobile Field Progress Equipment Entry (Smartphone)
- Mobile Account Progress Entry (Smartphone)
- Field Status Review (Tablet and Smartphone)

These applications require system administrator configuration before they are available to individual users. Contact your system administrator to determine whether these applications are available for use.

Additionally, see the following topic in the *JD Edwards EnterpriseOne Applications Mobile Enterprise Applications Implementation Guide* :

- [Field Progress Entry Mobile Applications](#)
- [Field Status Review Mobile Applications](#)

## Understanding the Account Progress Entry Program (P510211)

You use the Account Progress Entry program (P510211) to update information for an individual account. When you select this program from the menu, the system displays the Job Status Inquiry form (with user-defined columns) to use to select the job information to display. Processing options for the Job Status Inquiry program should be set to automatically launch the Account Progress Entry program when you select an account record.

Depending on the computation method that you assign, the system displays the fields that let you affect the projected final values and percent complete. You can always revise the actual units. To see which fields are available to change, change the method of computation. The system does not display budget information on this form for any computation method, but you can easily access it using the Form menus.

The system updates the F0902 table after you click OK and return to the Job Status Inquiry form.

## Form Used to Enter Account Progress Information

Form Name	FormID	Navigation	Usage
Progress Entry	W51 0211A	<p>Progress Entry &amp; Reporting (G5121), Account Progress Entry.</p> <p>On Job Status Inquiry, select Progress Entry, Account from the Row menu.</p>	<p>Enter account progress information. The progress entry fields that are available for data entry depend on the method of computation for the account.</p>

Form Name	FormID	Navigation	Usage

## Setting Processing Options for Account Progress Entry (P510211)

You must use the Interactive Versions Applications (P983051) to access the processing options for Account Progress Entry.

### Display

#### 1. Budget Change

Specify whether to display all of the change processing options (cumulative and +/-) on the Progress Entry form. Values are:

Blank: Display all change processing options.

1: Display the processing options used to make incremental changes only (+/- Units,+/- Amounts).

2: Display the processing options to make cumulative changes only (Cumulative Units, Cumulative Amount).

### Process

#### 1. General Ledger Date Editing

Specify whether to validate the general ledger date that you enter against the current period entered for the company and the general ledger constants. Values are:

Blank: Validate.

1: Do not validate.

#### 2. Method of Computation Changes

Specify changes to the method of computation processing option. Values are:

Blank: Enable changes.

1: Do not enable changes.

#### 3. Job Cost Audit Trail

Specify whether the system generates Account Ledger records (F0911) as an audit trail for the progress entry revisions that you enter. Values are:

Blank: Generate one F0911 record for each period for progress entry revision. If you enter more than one revision in a period, the system maintains a cumulative balance by updating the same journal entry detail line.

1: Generate one F0911 record for each progress entry revision that you enter, regardless of whether multiple changes occur in the same period.

2: Do not generate F0911 records for progress entry revisions.

#### 4. Reference Number

Specify the reference number to assign to the journal entries that the system generates for the audit trail. Entering a reference number enables you to group journal entries that are generated for processing option progress changes.

#### 5. Audit Trail Description

Specify the description to assign to audit trail records that the system generates. If you leave this processing option blank, the system assigns **Field Progress Entry**.

## Version

If you leave these processing options blank, the system uses version ZJDE0001.

### 1. Original Budget Entry Version (P510121)

Specify the version of the Original Budget Entry program to run when you access the program from the Form menu.

### 2. Job Budget Revisions Version (P510171)

Specify the version of the Job Budget Revisions program to run when you access it from the Form menu.

## Entering Account Progress Information

Access the Progress Entry form.

**Progress Entry** Layout: (No Layout) ▾

Job Status Inquiry | **Progress Entry**

✓ ✕ ⚙ Form < > ⚙ Tools

Job Number	5100	Potomac Hotel	G/L Date	06/30/15
Cost Code	02200	1341 Regular	Subledger	*
Ref No			Job PE	Account PE
Description	Field Progress Entry		MC	D

	Projected Final	+/- Actual	Total Actual
Units	11.00		11.00
Amount	5,280.00		5,280.00

The fields that the system displays on this form directly correspond to the computation method that is assigned to the account.

### Job PE (job posting edit)

Enter the posting edit code to assign to the job.

### Account PE (account posting edit)

Enter the posting edit code to assign to the account.

### Total Actual Units

Enter the total number of units for the account. The system changes the value in the +/- Actual Units field and updates the AU ledger with the number that you enter.

### **% Complete**

Enter the cumulative total percentage that is complete for the account (task). Depending on the computation method, you can enter (force) a percent complete value.

## Entering Job Progress Information

This section provides an overview of the Job Progress Entry program (P510212) and discusses how to:

- Set processing options for Job Progress Entry (P510212).
- Enter job progress information.

## Mobile Enterprise Applications for Job Progress Entry

The following mobile applications are available, and can be used to manage job progress entry on a mobile device:

- Job Progress Entry (Tablet)

These applications require system administrator configuration before they are available to individual users. Contact your system administrator to determine whether these applications are available for use.

Additionally, see the following topic in the *JD Edwards EnterpriseOne Applications Mobile Enterprise Applications Implementation Guide* :

[Job Progress Entry Mobile Application](#)

## Understanding the Job Progress Entry Program (P510212)

You use the Job Progress Entry program (P510212) to review the progress information by job instead of by account. Like the Account Progress Entry program, the system displays the Job Status Inquiry form (with user-defined columns) when you select Job Progress Entry. Processing options for the Job Status Inquiry program should be set to automatically launch the Job Progress Entry program when you select an account record.

Unlike the Account Progress Entry program, which displays only the fields that you can change, the Progress Entry by Job form provides predefined columns that you can select to display the columns that you need to review. If the computation method lets a field be updated, you can enter the change directly on the form.

If the computation method lets you make revisions to the budget, the system updates the F0902 table exactly as it does when you enter budget revisions using the Budget Revisions program (P510171) with this exception: the system assigns FP (field progress) to the F0911 audit trail records that the system generates for the budget revisions. If you revise budget information using the P510171 program, you can specify the document type to assign to the journal entries using processing options.

**Note:** Processing options determine the budget ledger type to update when you make revisions to the budget. Be sure to verify that the ledger type is correct before you enter budget revisions.



## Form Used to Enter Job Progress Information

Form Name	FormID	Navigation	Usage
Progress Entry by Job	W510212A	<p>Progress Entry &amp; Reporting (G5121), Job Progress Entry.</p> <p>On Job Status Inquiry form, select Progress Entry then Job from the Row menu.</p>	Enter job progress information. The progress entry fields that are available for data entry depend on the method of computation for the account.

## Setting Processing Options for Job Progress Entry (P510212)

Processing options enable you to specify the default processing for programs and reports.

### Display

#### 1. Default Cost Code Range

From Cost Code

Specify the beginning cost code (subsidiary) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost codes through the value entered in the Thru Cost Code field.

Thru Cost Code

Specify the ending cost code (subsidiary) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost codes from the value entered in the From Cost Code field.

#### 2. Default Cost Type Range

From Cost Type

Specify the beginning cost type (object) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost types through the cost type entered in the Thru Cost Type field.

Thru Cost Type

Specify the ending cost type (object) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost types from the value entered in the From Cost Type field.

#### 3. Restrict Account Range

Specify the range of accounts in the Default Cost Code Range and Default Cost Type Range processing options to be modified on the form. Values are:

Blank: The system lets you revise the range of accounts to display.

**1:** The system does not let you revise the range of accounts that appear on the form. The system disables the account processing options on the Additional Selections area of the form.

#### 4. Method of Computation Changes

Specify changes to the Method of Computation processing option. Values are:

Blank: Enable changes to the method of computation.

**1:** Do not enable changes to the method of computation.

### 5. Column Version

Specify the default column version to display on the Progress Entry by Job form. If you leave this processing option blank, you can select a column version that you have previously saved or you can select the columns that you want to display on the form.

**Note:** If you do not have a column version saved, the system displays the columns that you set up the last time you accessed the program.

## Process

### 1. Ledger Type

Specify the revised budget ledger type to use to display amounts and to update. If you leave this processing option left blank, the system uses JA.

**Note:** The system automatically uses the corresponding revised budget ledger type for units based on the ledger type that you enter.

### 2. General Ledger Date Editing

Specify whether to validate the general ledger date that you enter against the current period entered for the company and the general ledger constants. Values are:

Blank: Validate.

**1:** Do not validate.

### 3. Job Cost Audit Trail

Specify whether the system generates Account Ledger records (F0911) as an audit trail for the progress entry revisions that you enter. Values are:

Blank: Generate one F0911 record for each period for progress entry revisions. If you enter more than one revision in a period, the system maintains a cumulative balance by updating the same journal entry detail line.

**1:** Generate one F0911 record for each progress entry revision that you enter, regardless of whether multiple changes occur in the same period.

**2:** Do not generate F0911 records for progress entry revisions.

### 4. Reference Number

Specify the reference number to assign to the journal entries that the system generates for the audit trail. Entering a reference number lets you group journal entries that are generated for field progress changes.

### 5. Override Explanation

Specify the description to assign to audit trail records that the system generates. If you leave this processing option blank, the system assigns **Field Progress Entry**.

### 6. Restrict Column Version

Specify whether to enable changes and additions to column versions. Values are:

Blank: Do not enable.

**1:** Enable.

## Versions

If you leave these processing options blank, the system uses version ZJDE0001.

### **1. Budget Original Version (P510121)**

Specify the version of the Original Budget Entry program to run when you access the program from the Form menu.

### **2. Budget Revisions Version (P510171)**

Specify the version of Job Budget Revisions program to run when you access the program from the Form menu.

## Entering Job Progress Information

Access the Progress Entry by Job form.

## Progress Entry by Job

<b>Display</b>	<b>Additional Selections</b>	<b>Columns</b>	<b>More Columns</b>	<b>Budget Revisions</b>
Job Number	5100	Potomac Hotel	Date/Period	06/30/15
Job Posting Edit			Level of Detail	9
Column Version		(Blank = User ID)	Subledger	*
			Method of Computation	*

Records 1 - 10 > >

	Cost Code	Cost Type	Description	M C	P E	L D	U M	Reference 2	Explanation
<input checked="" type="radio"/>	01000		GENERAL REQUIREMENTS	N	N	3			Field Progress Entry
<input type="radio"/>	02000		SITE WORK	N	N	3			Field Progress Entry
<input type="radio"/>	02200		Earthwork	N	B	4	CY		Field Progress Entry
<input type="radio"/>	02200	1340	Labor	N		8	EA		Field Progress Entry
<input type="radio"/>	02200	1341	Regular	D		9	EA		Field Progress Entry
<input type="radio"/>	02200	1342	Overtime	Y		9	MH		Field Progress Entry
<input type="radio"/>	02200	1343	Burden	W		9			Field Progress Entry
<input type="radio"/>	02200	1350	Materials	P		8	EA		Field Progress Entry
<input type="radio"/>	02200	1355	Equipment	D		8	HR		Field Progress Entry

### Display

Select the Display tab.

### Column Version

Enter the version of the inquiry columns that you want to display. If you leave this field blank, the system automatically displays the version that is associated with the user ID, that was created for you automatically the last time that you used the program. If no version is associated with the user ID, you must manually select the columns to display.

## Additional Selections

Select the Additional Selections tab.

### **Skip From Cost Code and Skip Thru Cost Code**

Select this check box to display a column for the Skip From Cost Code and Skip Thru Cost Code fields.

### **Skip From Cost Type and Skip Thru Cost Type**

Select this check box to display Skip From Cost Type and Skip Thru Cost Type fields.

## Columns

Select the Columns tab.

### **Projected Final Unit Rate**

Select this check box to display a column for the Projected Final Unit Rate processing option. The system calculates by dividing the projected final units by the projected final amount (HA / HU) based on the period specified.

## More Columns

Select the More Columns tab.

### **Estimate To Complete Amount**

Select this check box to display a column for the Estimate To Complete Amount field. The system calculates the estimate to complete by subtracting the projected final amount from the actual amount (HA – AA) based on the period specified.

**Note:** The system updates the projected final amount to the BORG field in the Account Balances table (F0902), not to the net posting field for the period.

### **Estimate At Completion Amount**

Select this check box to display a column for the Estimate At Completion Amount field. *Estimate at completion amount* is another term for projected final amount. The system displays the value of the HA ledger based on the period specified.

The system updates the projected final amount to the BORG field in the Account Balances table (F0902), not to the net posting field for the period.

### **Estimate To Complete Units**

Select this check box to display a column for the Estimate To Complete Units field. The system calculates the estimate to complete by subtracting the projected final units from the actual units (HU – AU) based on the period specified.

The system updates the projected final amount to the BORG field in the Account Balances table (F0902), not to the net posting field for the period.

### **Estimate At Completion Units**

Select this check box to display a column for the Estimate At Completion Units field. *Estimate at completion units* is another term for projected final units. The system displays the value of the HU ledger based on the period specified.

The system updates the projected final amount to the BORG field in the Account Balances table (F0902), not to the net posting field for the period.

### **Estimate To Complete Unit Rate**

Select this check box to display a column for the Estimate To Complete Unit Rate field. The system calculates the estimate to complete unit rate by dividing the estimate to complete amount by the estimate to complete units.

### Estimate At Completion Unit Rate

Select this check box to display a column for the Estimate At Completion Unit Rate field. *Estimate at completion unit rate* is another term for projected final unit rate. The system calculates the estimate at completion unit rate by dividing the estimate at completion amount by the estimate at completion units (HA/ HU).

### Remaining Unit Rate

Select this check box to display a column for the Remaining Unit Rate field. The system calculates the remaining unit rate by dividing the value of the remaining units by the actual amount (RA / AA).

### Grid

Access the grid area.

### PE (posting edit)

Enter the posting edit code to assign to the account.

### LD (level of detail)

Enter the level of detail to assign to the account.

## Entering Performance-Based Labor Progress Information

This section provides an overview of the Performance Based Labor Progress Entry program (P510312) and discusses how to:

- Set processing options for Performance Based Labor Progress Entry (P510312).
- Enter performance-based labor progress information.

## Understanding the Performance Based Labor Progress Entry Program (P510312)

You use the Performance Based Labor Progress Entry program (P510312) to measure the progress of labor hours and costs based on productivity. Unlike the other progress entry programs, the Performance Based Labor Progress Entry program is designed specifically for evaluating the performance of labor (or any other similar account to which you assign methods of computation H and L). Measuring actual and budget labor costs and hours is not enough to evaluate whether the task is at risk for going over budget, because performance has not been factored into the analysis. The Performance Based Labor Progress Entry program calculates earned values so that you can determine how much of the activity should be completed at a particular point in time. Then, the system divides the actual costs and hours by the earned costs and hours to derive a performance factor. By calculating a performance factor, you can measure the labor costs against the productive labor hours, not just the labor hours expended for the task.

Unlike the other job progress programs, the system does not display the Job Status Inquiry form to display and select accounts by job; instead, it provides an inquiry form that displays only the accounts that are assigned computation methods H and L. To further refine the search, enter tolerance exception ranges based on performance factors. The system displays only those labor accounts that are outside of the tolerance range. This enables you to assess the accounts that are at risk based on performance. The inquiry program also provides check boxes to select the columns that you want to display. You can display account balances by inception-to-date, cumulative (year-to-date), or by period.

When you select an account from the Work With Performance Based Labor Activity form, the system displays the Labor Progress Entry Revisions form, which you can use to analyze the current activity for the task such as productivity and unit and hourly rates. The system divides the form into four sections that are defined by group boxes:

- The first and second sections are informational only and display the job and account information. Because this information is static, it provides the basis of comparison for other scenarios that you can enter in the third section.
- The third section provides input fields that you can use to manipulate the performance factors, estimate to complete values, estimate at complete values (projected final values), and actual quantities. When you change the value in one field and leave it, the system recalculates the information based on the change so that you can compare other results to the actual information in the second section. You can continue manipulating the fields until you are satisfied with the results. The system does not update the Account Balances table until you click OK.

**Note:** If you change estimate at completion (projected final) quantity, the system automatically generates a journal entry for the header account of the task to the revised budget ledger that is specified in the processing option, as long as the Job Cost Audit Trail processing option is not set to **2**.

If the percent complete is less than the threshold percent (as displayed in the first section of the form), the estimate-to-complete and estimate-at-completion (projected final) values equal the revised budget ledger values. Only revisions to the quantity fields can be entered.

- The fourth section provides a Reason for Variance text field that you can use for any purpose, whether to validate the current results or provide additional information for revisions to the budget that you enter. The system stores the information that you enter as a media object (attachment).

## Forms Used to Enter Performance-Based Labor Progress Information

Form Name	FormID	Navigation	Usage
Work With Performance Based Labor Activity	W510312A	Progress Entry & Reporting (G5121), Performance Based Labor Progress Entry	Review and select labor accounts to revise.
Labor Progress Entry Revisions	W510312B	On Work With Performance Based Labor Activity, select an account.	Revise labor information that affects performance factors to forecast earned values for other scenarios.

# Setting Processing Options for Performance Based Labor Entry (P510312)

Processing options enable you to specify the default processing for programs and reports.

## Defaults

Use these processing options to specify the default values that appear on the form.

### 1. Default Cost Code Range

From Cost Code

Specify the beginning cost code (subsidiary) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost codes through the value entered in the Thru Cost Code field.

Thru Cost Code

Specify the ending cost code (subsidiary) account in the range of accounts to display. If you leave this processing option blank, the system displays all cost codes from the value entered in the From Cost Code field.

### 2. Tolerance Limits

Specify the tolerance amount and corresponding description. Use this processing option in conjunction with the Performance Assessment Description. processing option.

Lower Tolerance

Specify the lowest tolerance limit to use when comparing performance factors for assigning an assessment description from processing option 3. A performance factor of 1.00 indicates that the labor for the task is on budget (no variances exist).

Upper Tolerance

Specify the highest tolerance limit to use when comparing performance factors for assigning an assessment description from processing option 3.

### 3. Performance Assessment Descriptions

Specify the description to display in the Performance Assessment processing option according to the performance factor and tolerance limits entered. Use this processing option in conjunction with the Tolerance Limits processing option.

Under Lower Tolerance Limit

Specify the description to display for accounts that have a performance factor that is less than the lower tolerance entered in the Tolerance Limits processing option.

Between Lower Tolerance Limit and One

Specify the description to display for accounts that have a performance factor that is greater than or equal to the lower tolerance entered in the Tolerance Limits processing options and less than one.

One

Specify the description to display for accounts that have a performance factor equal to one.

Between 1 and Upper Tolerance Limit



Specify the description to display for accounts that have a performance factor that is greater than one and less than the upper tolerance entered in the Tolerance Limits processing options.

Above Upper Tolerance Limit

Specify the description to display for accounts that have a performance factor that is greater than the upper tolerance entered in the Tolerance Limits processing options.

## Process

### 1. Budget Ledger Type

Specify the budget ledger type to update when you revise the Quantity, To Complete, or At Complete processing options (for the quantity row) for the header account that is assigned method H. Because revised budget units equal projected final units for accounts assigned method H, the system automatically updates the budget ledger that you specify if you make revisions to the Estimate to Complete or Estimate at Completion Quantity processing options.

If you leave this processing option blank, the system uses the JA ledger.

**Note:** The system automatically uses the corresponding revised budget ledger type for units based on the ledger type that you enter.

### 2. General Ledger Date Editing

Specify whether to validate the general ledger date that you enter against the current period entered for the company and the general ledger constants. Values are:

Blank: Validate.

1: Do not validate.

### 3. Job Cost Audit Trail

Specify whether the system generates Account Ledger records (F0911) as an audit trail for the progress entry revisions that you enter or that the system generates. Values are:

Blank: Generate one F0911 record for each period for progress entry revisions. If you enter more than one revision in a period, the system maintains a cumulative balance by updating the same journal entry detail line.

1: Generate one F0911 record for each progress entry revision that you enter, regardless of whether multiple changes occur in the same period.

2: Do not generate F0911 records for progress entry revisions.

### 4. Reference Number

Specify the reference number to assign to the journal entries that the system generates for the audit trail. You can group journal entries that are generated for field progress changes by entering a reference number.

### 5. Override Explanation

Specify the description to assign to audit trail records that the system generates. If you leave this processing option blank, the system assigns **Field Progress Entry**.

## Versions

If you leave these processing options blank, the system uses version ZJDE0001.

### 1. Original Budget Version (P510121)

Specify the version of the Original Budget Entry program to run when you access the program from the Row and Form menus.

## 2. Budget Revisions Version (P510171)

Specify the version of the Job Budget Revisions program to run when you access the program from the Row and Form menus.

# Entering Performance-Based Labor Progress Information

Access the Labor Progress Entry Revisions form.

## Tolerances

Complete these fields on the Tolerances tab on the Work With Performance Based Labor Activity form before proceeding to the Labor Progress Entry Revisions form.

### Show All Labor Tasks

Select this check box to display all the labor accounts that are assigned computation method L. Do not select this check box to enable the processing options to enter tolerance ranges based on performance factors.

### Hours Based Performance Factor (PF: Hours)

Enter the beginning range of the hour performance factor to use to exclude accounts from appearing on the form. The system compares the performance factor to the range specified and displays accounts that are exceptions to (outside) the range that you define. If you enter zero, the system uses it as part of the range. If you leave this field blank, the system inserts an \* to indicate that no lower range is specified.

### Thru

Enter the ending range of the hour performance factor to use to exclude accounts from appearing on the form. The system compares the performance factor to the range specified and displays accounts that are exceptions to (outside) the range that you define. If you enter zero, the system uses it as part of the range. If you leave this field blank, the system inserts an \* to indicate that no upper range is specified.

After you enter the ranges, click the Show Tolerance Exceptions button to display the labor accounts.

### Cost Based Performance Factor (PF: Cost)

Enter the beginning range of the cost performance factor to use to exclude accounts from appearing on the form. The system compares the performance factor to the range specified and displays accounts that are exceptions to (outside) the range that you define. If you enter zero, the system uses it as part of the range. If you leave this field blank, the system inserts an \* to indicate that no lower range is specified.

### Thru

Enter the ending range of the cost performance factor to use to exclude accounts from appearing on the form. The system compares the performance factor to the range specified and displays accounts that are exceptions to (outside) the range that you define. If you enter zero, the system uses it as part of the range. If you leave this field blank, the system inserts an \* to indicate that no upper range is specified.

After you enter the ranges, click the Show Tolerance Exceptions button to display the labor accounts that are exceptions.

## Labor Progress Entry Revisions Form

### Activity

Enter the cost code and cost type that make up the labor account.

### Threshold

Enter the value entered in the Job Master Revisions form for the job specified.

### Budget Quantity

Enter the sum of the revised budget ledger units for the header account that is assigned computation method H.

**Budget Hours**

Enter the sum of the revised budget ledger units for the detail labor accounts.

**Budget Cost**

Enter the sum of the revised budget ledger amounts for the detail labor accounts.

**Budget Hourly Rate**

Enter the budget cost divided by the budget hours.

**Budget Unit Rate**

Enter the budget cost divided by the budget quantity.

**Budget Productivity**

Enter the budget hours divided by the budget quantity.

**Actual To Date Quantity**

Enter the actual units from the header account.

**Actual To Date Hours**

Enter the sum of the actual units from the detail accounts.

**Actual To Date Cost**

Enter the sum of the actual amounts from the detail accounts.

**Actual To Date Hourly Rate**

Enter the actual cost divided by the actual hours.

**Actual To Date Unit Rate**

Enter the actual cost divided by the actual quantity.

**Actual To Date Productivity**

Enter the actual hours divided by the actual quantity.

**Earned Hours**

Enter the budget hours multiplied by the percent complete, the hours that should have been expended on the task to date.

**Earned Cost**

Enter the budget cost multiplied by the percent complete. the costs that should have been expended on the task to date.

**Variance To Date Hours**

Enter the difference between the actual hours and the earned hours.

**Variance To Date Cost**

Enter the difference between the actual cost and the earned cost.

**Current At Completion Quantity**

Enter the projected final (estimate at complete) units for the header account. For method H, the projected final units always equals the sum of the revised budget ledger units.

**Current At Completion Hours**

Enter the projected final (estimate at complete) hours for the detail accounts.

**Current At Completion Costs**

Enter the projected final (estimate at complete) cost for the detail accounts.

### **Current At Completion Hourly Rate**

Enter the projected final (estimate at complete) costs divided by the projected final (estimate at complete) hours.

### **Current At Completion Unit Rate**

Enter the projected final (estimate at complete) costs divided by the projected final (estimate at complete) quantity.

### **Current At Completion Productivity**

Enter the projected final (estimate at complete) hours divided by the projected final (estimate at complete) quantity.

### **Ext. Variance To Date Hours (extended variance to date hours)**

Enter the difference between the projected final (estimate at complete) hours and the budget hours for the labor account.

### **Ext. Variance To Date Cost (extended variance to date cost)**

Enter the difference between the projected final (estimate at complete) costs and the budget cost for the labor account.

### **To Date PF: Hours (to date performance factor hours)**

Enter the actual hours divided by the earned hours.

If the performance factor hours equals 1.00, productivity equals 100 percent of the budget.

If the performance factor hours exceed 1.00, productivity is less than 100 percent of the budget.

If the performance factor hours are less than 1.0, productivity is greater than 100 percent of the budget.

### **To Date PF: Cost (to date performance factor cost)**

Enter the actual cost divided by the earned cost.

If the performance factor cost equals 1.00, productivity equals 100 percent of the budget.

If the performance factor cost exceed 1.00, productivity is less than 100 percent of the budget.

If the performance factor cost is less than 1.0, productivity is greater than 100 percent of the budget.

### **To Date PF: Average (to date performance factor average)**

Enter the average of the performance factor cost and performance factor hours (PF hours + PF cost / 2).

### **To Date Breakeven Point**

Enter the specific point in time for a job when all budgeted labor costs will be expended. The system calculates this number using the formula  $1 / \text{To Date PF: Cost} * 100$ .

If the breakeven point equals 100 percent, the budget has been expended.

If the breakeven point is less than 100 percent, the budget has not been expended.

If the breakeven point is greater than 100 percent, the task is over budget.

### **To Completion PF: Hours (to completion performance factor hours)**

Enter the performance factor hours that are necessary to equal the value of the At Completion PF Hours field.

### **To Completion PF: Cost (to completion performance factor cost)**

Enter the performance factor cost that is necessary to equal the value of the At Completion PF: Cost field.

### **To Completion PF: Average (to completion performance factor: average)**

Enter the average of the To Completion PF: Hours and To Completion PF: Cost (PF hours + PF cost / 2).

### **To Completion Quantity**

Enter the difference between the projected final (estimate to complete) quantity and the actual quantity. This is the number of units required to equal the value in the At Completion Quantity field.

### **To Completion Hours**

Enter the difference between the projected final (estimate to complete) hours and the actual hours. This is the number of hours required to equal the value in the At Completion Hours field.

### **To Completion Cost**

Enter the difference between the projected final (estimate to complete) cost and the actual cost. This is the amount required to equal the value in the At Completion Cost field.

### **To Completion Hourly Rate**

Enter the value of the To Completion Cost field divided by the value of the To Completion Hours field.

### **To Completion Unit Rate**

Enter the value of the To Completion Cost field divided by the value of the To Completion Quantity field.

### **To Completion Productivity**

Enter the value of the To Completion Hours field divided by the value of the To Completion Quantity field.

### **At Completion PF: Hours (at completion performance factor hours)**

Enter the projected final (estimate at complete) hours divided by the earned hours.

If the performance factor hours equals 1.00, productivity equals 100 percent of the budget.

If the performance factor hours exceed 1.00, productivity is less than 100 percent of the budget.

If the performance factor hours are less than 1.0, productivity is greater than 100 percent of the budget.

### **At Completion PF: Cost (at completion performance factor cost)**

Enter the projected final (estimate at complete) cost divided by the earned cost.

If the performance factor cost equals 1.00, productivity equals 100 percent of the budget.

If the performance factor cost exceed 1.00, productivity is less than 100 percent of the budget.

If the performance factor cost is less than 1.0, productivity is greater than 100 percent of the budget.

### **At Completion PF: Average (at completion performance factor average)**

Enter the average of the At Completion PF: Hours and At Completion PF: Cost (PF hours + PF cost / 2).

### **At Completion Quantity**

Enter the projected final (estimate at complete) units for the header account. The value of this field is always equal to the value of the Budget Quantity field; therefore, if you enter projected final quantities, the system automatically updates the revise budget ledger quantity amount. The system generates a journal entry in the Account Detail table (F0911) to the ledger type specified in the Budget Ledger Type field.

### **At Completion Hours**

Enter the projected final (estimate at complete) hours for the detail account.

### **At Completion Cost**

Enter the projected final (estimate at complete) costs for the detail account.

### **At Completion Hourly Rate**

Enter the projected final (estimate at complete) cost divided by the projected final (estimate at complete) hours.

### **At Completion Unit Rate**

Enter the projected final (estimate at complete) cost divided by the projected final (estimate at complete) quantity.

### **At Completion Productivity**

Enter the projected final (estimate at complete) hours divided by the projected final (estimate at complete) quantity.

### **At Completion Breakeven Point**

Enter the specific point in time for a job when the projected final labor costs will be expended. The system calculates this number using the formula:  $1 / \text{At Completion PF: Hours} * 100$ .

If the breakeven point equals 100 percent, the projected final (estimate at complete) cost has been expended.

If the breakeven point is less than 100 percent, the projected final (estimate at complete) cost has not been expended.

If the breakeven point is greater than 100 percent, then the task is over the projected final (estimate at complete) cost.

### **Final Variance Hours**

Enter the difference between the budget hours and the projected final (estimate at complete) hours.

### **Final Variance Cost**

Enter the difference between the budget cost and the projected final (estimate at complete) cost.

### **Final Variance Hourly Rate**

Enter the difference between the budget hourly rate and the projected final (estimate at complete) hourly rate.

### **Final Variance Unit Rate**

Enter the difference between the budget unit rate and the projected final (estimate at complete) unit rate.

### **Final Variance Productivity**

Enter the difference between the budget productivity and the projected final (estimate at complete) productivity.

# 11 Recognizing Profit

## Understanding Profit Recognition

You use the job progress applications to track actual costs compared to the expected (budgeted) costs based on the percent complete of each task. The percent complete is determined by the computation method that is assigned to each account. For profit recognition, you use the percent complete to project the final costs and projected final revenue for the entire job. Profit recognition is an accounting process that you can use to record the revenue earned or lost, based on the percent that a job is complete at any time during the progress of the job. Profit recognition is independent of the billing status of the job; you can recognize profit for a job even if you have not billed the customer for the completed work.

When you run the profit recognition programs, the system calculates the profit or loss for the period based on the actual and projected final values (costs and revenues). The system then generates journal entries to adjust the actual costs and revenue according to:

- Whether you enter accrued or deferred costs.
- Whether you recognize deferred revenue all at once or proportionately over the life of the job.
- Whether you have over billings or under billings for the period.
- Whether you calculate profit based on revenue or costs.
- Whether you have reached the threshold percent complete.

The system generates the journal entries to the accounts that are set up in the profit recognition automatic accounting instructions (AAIs), or to the accounts specified in processing options. Many of the journal entries are accrued amounts that the system reverses in the next period. The system tracks profit by period, quarter, year, and job.

## Updating the Percent Complete for a Job

This section provides an overview of the results of updating the percent complete and discusses how to enter the percent complete for a job.

## Understanding the Results of Updating the Percent Complete

When you run the Profit Recognition Build program (R51800), processing options specify either to calculate the percent complete based on projected final values or to use the value from the F% ledger:

- If you select the processing option to calculate the percent complete, the system uses the formula  $AA / HA$ .
- If you select the processing option to use the value from the F% ledger, you must first enter it.

You use the Update Percent Complete program (P511112) to enter the percent complete for the job. You can display all the jobs for a company or only the open jobs. Besides the search criteria that you can use to locate the job records, the only field available to update is Percent Complete. When you enter the percent complete, the system updates the value to the F% ledger for the job account in the specified period. The job account is composed of the business unit (job number) only; the object (cost code) and subsidiary (cost type) fields are blank. The system uses the percent complete that you enter to calculate projected final values and profit values.

The P51112 program has no processing options.

**Note:** If you have already generated the profit recognition records, you can enter the percent complete for the job using the Group Job Adjustments (P5144) program or the Single Job Adjustments (P51440) program.

To update the percent complete when working with revenue performance obligations (RPOs), review the following section:

*Updating Percent Complete at the Revenue Performance Obligation Level*

## Form Used to Update the Percent Complete for a Job

Form Name	Form ID	Navigation	Usage
Update Percent Complete	W51112B	Profit Recognition (G5122), Update Percent Complete  Select a job on Work with Job Master.	Enter the percent complete for a job.

## Entering the Percent Complete for a Job

Access the Update Percent Complete form.

## Generating Profit Recognition Data

This section provides an overview of the Profit Recognition Build program (R51800), lists prerequisites, and discusses how to:

- Generate profit recognition data.
- Set processing options for Profit Recognition Build (R51800).

## Understanding the Profit Recognition Build Program (R51800)

The first step in the profit recognition process is to generate the profit recognition data. You can generate the information in preliminary or final mode:

- In preliminary mode, the system generates a report of the actual and budget amounts and calculates the projected final values and percent complete. Using the report, you can validate that all transactions have been included. If you need to revise budget or actual amounts, you can do so easily and rerun the report.
- In final mode, the system performs the same calculations and generates the same report as it does when you run the program in preliminary mode, but it also generates records in the profit recognition tables (F5144 and



F5145). After you have generated records in the profit recognition tables, you can still adjust the projected final amounts or the percent complete. But if you need to adjust budget or actual amounts, you must do one of the following procedures:

- o Run the Remove a Recognition Version program (R51810), enter the revisions, and then rerun Profit Recognition Build.

The system generates new profit recognition information based on the revisions that you make.

- o Enter your revisions, and rerun Profit Recognition Build.

The system generates adjusting journal entries for the revisions (incremental differences) only.

Depending on whether you want the system to base profit on costs or revenues and on the information that you enter, the system calculates one or more of these values:

- The percentage of completion for the job or revenue performance obligation (RPO).

If you do not enter a percent complete value directly into the F% ledger, the system calculates it by dividing the amounts in the AA ledger by the amounts in the HA ledger. The amounts in the AA ledger can be costs, revenues, or both, depending on the setting of the Recognition Method processing option.

The percent complete for a job or RPO cannot be greater than 100 percent or less than 0 percent. If the percent complete is greater than 100 percent, the system uses 100 percent to calculate profit. If the percent complete is less than 0, the system uses 0 to calculate profit.

- The projected final amounts.

If you do not enter a percent complete, the system uses the total from the HA ledger for the job or RPO. If you enter a percent complete, the system recalculates the projected final value by dividing the actual amount by the percent complete. For example, if the percent complete were 25 percent and the actual cost were 1000, the projected final cost would be 4,000.

(Release 9.2 Update) You can also specify a different ledger that you want your projected final amounts based on. You specify this ledger type in the processing options.

- The earned cost and revenue.

The system calculates earned amounts by multiplying the projected final amounts by the percent complete.

- Over and under billing amounts.

The system calculates over and under values by subtracting the earned amounts from the actual amounts.

- The amount of profit.

The system calculates profit by subtracting cost from revenue.

You can set up a threshold percent complete so that the system does not calculate the profit for a job or revenue performance obligation (RPO) until the percentage of completion is greater than or equal to the threshold percent complete:

- If the percentage of completion is less than the threshold, the system records the earned job-to-date profit as zero.
- If the percentage of completion is greater than the threshold percent, and you calculate profit based on costs, the system forces the revenue earned to equal the cost earned.
- If the percentage of completion is greater than the threshold percent, and you calculate profit based on revenue, the system forces the cost earned to equal the revenue earned.

- If the percentage of completion is greater than the threshold percent and you calculate profit using whichever results in the lower profit (cost or revenue), the system adjusts the appropriate account accordingly.
- If the percent of completion is equal to or greater than the threshold, you can immediately recognize any profit that was deferred or you can amortize the profit over the remaining life of the job or RPO.

Profit can be recognized for the project (across multiple jobs) or at the job level or at the RPO level.

See *Generating Profit Recognition Data for Revenue Performance Obligations*

In addition, you can regenerate profit information for a closed period when adjustments are needed.

When you run the Profit Recognition Build program in final mode, the system:

- Generates one record in the Profit Recognition table (F5144).
  - The system updates the version fields (VERS and VER) with the version number that you used to run Profit Recognition Build.
  - The system updates the next number field (NNBR) with the next number that it retrieves from the Next Numbers table (F0002).
  - The system updates the cost and revenue accounts for actual, revised budget, and projected final amounts.

The system uses the JCCA and JCST AAls to determine the range of revenue and cost accounts.
  - The system updates the Record Requires Regeneration field (G7ZFU1) to Y to indicate that journal entries have not been generated for the profit recognition records.

- Generates one record for each cost type in the Profit Recognition Account Balance table (F5145).

The system calculates the amount of profit for each cost type.

- Generates a report (Profit Recognition File Build) of the information that it calculates.

You can review the information online using the Single Job Adjustments program or the Group Job Adjustments program.

- If you set a processing option, the system generates the Executive Summary Report. The difference between this report and the Profit Recognition File Build report is that it also includes the over billing and under billing amounts and provision for loss amounts, if any. It also prints profit information by project, instead of by job. If you do not specify to generate the Executive Summary Report, you can generate it at any time by selecting the option from the menu.

After you generate profit recognition information in final mode, you can make online adjustments using the P51440 program or the P5144 program. You can also generate journal entries to update the appropriate cost and revenue accounts, or delete the version and remove the profit recognition records so that you can make changes to source tables and rebuild it based on different criteria.

**Note:**

- *Job Cost Summary Reports: A to Z.*

## Prerequisites

Before you complete the task described:

- Verify that user-defined code (UDC) table 51/IS is set up for the job type and cost type and AAI, if desired.  
See *Understanding UDCs for Job Cost*.
- Verify that the JD Edwards EnterpriseOne Job Cost AAls, specifically the ranges that are defined by the JCCA and JCST AAls, are set up to identify the revenue and cost accounts.

See *Setting Up AAls for Job Cost*.

## Generating Profit Recognition Data

Select Profit Recognition (G5122), Profit Recognition Build.

## Setting Processing Options for Profit Recognition Build (R51800)

Processing options enable you to specify the default processing for programs and reports.

### Process

#### 1. Process Mode

Specify whether to run the program in proof or final mode. Values are:

Blank: Run the program in proof (preliminary) mode. The system calculates final projected values and profit information and prints a report.

**1:** The system performs the same calculations as it does when you run the program in proof (preliminary) mode, but additionally updates the F5144 and F5145 tables.

#### 2. Period End Date

Specify the date through which the system calculates profit information. Because the system stores account balances by period, the system always calculates balances based on the last day of the period regardless of the day that you enter. For example, if June 30 is the last day of the period and you specify June 15, the system uses June 30. You must enter a date in this processing option; otherwise, the system prints the error message *No period end date in processing option* on the report.

#### 3. Period End Quarter Date

Specify the prior quarter end date for which the system calculated profit information. If you leave this processing option blank, the system uses the Earned Job to Date amounts as the Earned Current Quarter amounts.

#### 4. Company

Specify the company to assign to the profit recognition records that the system generates. The system uses the company number that you enter to generate the journal entries when you run the Create Journal Entries program (R51444). The company number that you specify must be set up with a complete balance sheet.

#### 5. Summarization Level

Specify the summarization level to store profit recognition information in table F5144. Values are:

- 1: Project level.
- 2: Job level.
- 3: Subledger level.
- 4: Revenue Performance Obligation (RPO) level.

**Note:** If you are using the JD Edwards EnterpriseOne Homebuilder Management system, you must enter **3** for this processing option to view cost of sales accounts at the option level in the P5144 program.

## 6. Threshold

Specify the threshold percent against which the system compares the value of the percent complete to determine whether to calculate profit. The value that you enter for this processing option overrides the value that you entered on the Job Master Revisions form. If the percent complete of the job is less than the threshold amount, the system uses zero as the earned job-to-date profit.

Enter the threshold percent as a whole number. For example, enter **15** to specify 15 percent.

(Release 9.2 Update) If you leave this field blank, the system uses the Threshold Processing value.

### 6a. Threshold Processing (Release 9.2 Update)

Specify whether the system uses the threshold percent complete value from the Job Master program (P51006). The system uses the value in this field only if you leave the Threshold field blank. Values are:

Blank: Do not use threshold percent complete value from Job Master.

- 1: Use threshold percent complete value from Job Master.

## 7. Defer Preference

Specify whether to recognize all of the deferred profit in the period during which the percent complete exceeds the threshold percent, or allocate it based on the life of the job. Deferred profit is profit that the system calculated when the percent complete was less than the threshold percent.

### 8. Projected Final Cost (Release 9.2 Update)

Specify the ledger the system uses to calculate the projected final cost. Values are:

Blank: The system accumulates the projected final cost stored in the HA ledger.

- 1: The system calculates projected final cost using the percent completion from the F% ledger with a blank Cost Code and Cost Type.
- 2: The system accumulates the projected final cost and revenue from the ledger type that you specify in the Ledger Type for Projected Final Cost processing option.

If you enter 2 in this field, you must specify the ledger type from which to calculate the projected final cost and revenue.

## 9. Recognition Method

Specify the method that the system uses to recognize profit. Values are:

- 1: The system calculates profit based on the values of the cost accounts. The AAI ranges for item JCST identify the cost accounts that the system uses.
- 2: The system calculates profit based on the values of the revenue accounts. The AAI ranges for item JCCA identify the revenue accounts that the system uses.

**3:** The system calculates profit using both the cost and revenue methods, and then uses the lower of the two results.

### 10. Exclude Invalid Work Orders

Specify whether to include or exclude invalid work orders to recognize profit. Values are:

Blank: Include invalid work orders.

**1:** Exclude invalid work orders.

### 11. Provision for Loss

Specify whether to add the value in the Provision for Loss field to the Earned Job to Date Cost field. The system calculates and displays a provision for loss value if estimated cost for the contract exceeds estimated revenue. Values are:

Blank: Add the provision for loss value to the earned job to date cost. As a result, the value in the Earned Job to Date Cost field is not equal to the percent complete multiplied by the projected final cost in the Group Job Adjustments program (P5144) and the Single Job Adjustments program (P51440).

**1:** Do not add the provision for loss to the earned job to date cost.

For example, suppose that you create a journal entry and post the journal entry to the Cost/Revenue account to update the AA ledger. You update the percent complete value so that the cost is greater than the revenue and then run the R51800 program with this processing option value set to Blank. The system will calculate and display the provision for loss value. If you set this processing option value to 1, the system will not display the provision for loss value.

**Note:** You must set this processing option to the same value for these programs: Profit Recognition Build (R51800), Executive Summary Report (R51443), Create Journal Entries for Profit Recognition (R51444), Single Job Adjustment Screen (P51440), and Group Job Adjustment Screen (P5144).

### 12. (Release 9.2 Update) Earned Amount Calculation

Specify whether to calculate the earned cost and revenue amounts when the cost and revenue for the prior period are reversed, and the current period is a reversal of the prior period. Values are:

Blank: Calculate earned cost and revenue amounts.

**1:** Do not calculate earned cost and revenue amounts.

**Note:** You must set this processing option to the same value for these programs: Profit Recognition Build (R51800), Executive Summary Report (R51443), Create Journal Entries for Profit Recognition (R51444), Single Job Adjustment Screen (P51440), and Group Job Adjustment Screen (P5144).

## Versions

### 1. Executive Summary Version

Specify whether to generate the Executive Summary Report (R51443) by entering the version number of the report to use. The system retrieves the processing options for the report based on the version that you enter. If you leave this processing option blank, the system does not generate the Executive Summary Report.

## Removing a Recognition Version

This section provides an overview of recognition versions and record removal and discusses how to:

- Remove a recognition version.
- Set processing options for Remove a Recognition Version (R51810).

## Understanding Recognition Versions and Record Removal

If you run the R51800 program in final mode and find that the results require changes to the values in the Account Balance table (F0902) using job progress entry or journal entries, you can remove the profit recognition records and regenerate them after you make the desired changes. To remove the profit recognition records from tables F5144 and F5145, you must run the Remove a Recognition Version program. When you run this program, you specify the version that is associated with the records that you want to remove. If you want to remove records for a specific job only, you can also specify a job number. The system removes records for the version and job specified only when the Record Requires Regeneration field (G7ZFU1) in table F5144 is set to Y. If the value of this field is N, journal entries have already been generated for the version and you cannot remove it.

**Note:** Do not delete the unposted journal entries. Post the journal entries, enter the revisions, and rerun the Profit Recognition Build program for the same period. The system creates journal entries for the incremental differences only based on the changes that you make. You can also post the journal entries, void them, post the voided entries, enter the revisions, and rerun the R51800 program for the same period.

After you remove the profit recognition records and make the necessary changes, you can rerun the R51800 program to regenerate profit recognition records.

## Removing a Recognition Version

Select Profit Recognition (G5122), Remove a Recognition Version.

## Setting Processing Options for Remove a Recognition Version (R51810)

Processing options enable you to specify the default processing for programs and reports.

### Process

#### 1. Profit Recognition Version

Specify the version of the R51800 program for which you want to remove records from the profit recognition tables (F5144 and F5145). The system removes all records from the tables based on the version that you specify. If you generated profit recognition for more than one job, you can limit the records that the system removes for the version by entering a value in the Profit Recognition Job processing option.

#### 2. Profit Recognition Job

Specify the job number to use to remove records from the profit recognition tables for the version that you entered in the Profit Recognition Version processing option. If you leave this processing option blank, the system removes all records for the version specified.

## Revising Profit Recognition Information

This section provides an overview of revising profit recognition information and discusses how to:

- Set processing options for Group Job Adjustments (P5144).
- Set processing options for Single Job Adjustments (P51440).
- Revise profit recognition records.
- Revise accounts in the profit recognition record.

## Understanding Revising Profit Recognition Information

After you generate profit recognition records, you might find that you need to make adjustments to the projected final amounts (revenue, cost, and profit) or change the percent complete on the job. Rather than trying to manipulate the factors that the system uses to calculate projected final amounts, which consists of removing the existing profit recognition records and regenerating them, you can manually adjust the projected final values, from which the system derives the profit calculation, using either the Single Job Adjustments program (P51440) or the Group Job Adjustments (P5144) program.

**Note:** You cannot revise profit records for which journal entries have been generated. If the Version field is blank on the Work with Profit Recognition Versions form, journal entries have been generated, and you cannot revise or remove profit recognition records.

See *Revising Profit Recognition Journal Entries*.

If you select the P51440 program, you can review and update the information for one job only. If you select the P5144 program, the system displays the profit recognition information for all of the jobs that were updated for the version of the Profit Recognition Build program that you ran. The P5144 program is especially useful if you generated profit recognition records for multiple jobs within a project because you can review all of the information on one form.

Regardless of the program that you select, the system displays values from the profit recognition tables (F5144 and F5145). You can use the adjustment program to revise:

- The profit recognition method.

If you want to compare the amount of profit based on cost versus revenue (or vice versa), you can change the profit recognition method. The system recalculates projected final values and the percent complete based on the method that you select.

- Accrued or deferred costs.

If you want to increase actual amounts, enter the accrued cost as a positive number. If you want to decrease the actual amount, enter the deferred cost as a negative number. The system generates reversing journal entries to the accounts associated with AAI items JCAPO and JCPC for accrued costs, and JCSMI and JCSMJ for deferred costs.

- Projected final values.

If you enter (force) projected final amounts, the system recalculates the percent complete. The system updates the projected final values to the accounts associated with AAI items JCPFC (projected final cost), JCPFR (projected final revenue), and JCPFP (projected final profit) in the FA ledger.

- Percent complete.

If you select the Percent Complete check box, the system changes the fields for projected final values to percent complete. The value that you enter depends on the profit recognition method. For example, if profit is based on costs, enter the percent complete in the corresponding cost field. If profit is based on revenue, enter the percent complete in the corresponding revenue field. The system recalculates and displays the projected final amounts based on the percent complete that you enter. The system updates the F% ledger with the percent complete for the account number of the job (this account does not have a cost code or cost type, only a job number).

- Percent complete threshold.

If you lower the percent complete threshold, the system might revise amounts based on the value in the Deferred Method field. For example, if you recognize deferred profit in the period in which the percent complete is greater than the threshold percent, lowering the threshold might increase the amount of profit because it includes deferred amounts.

- Individual accounts.

You can add or subtract amounts in the Revised Budget (JA) ledger and the Projected Final (HA) ledger accounts and view the Commitment (PA) ledger and estimate to complete values that are associated with the job.

**Note:** If you are using the JD Edwards EnterpriseOne Homebuilder Management system, when you run Profit Recognition Build you must enter **3** for the Summarization Level processing option to view the individual option types in the Single Job Adjustments program. After you make adjustments to the individual accounts, rerun the R15800 program.

**Note:** You can enter the percent complete or you can enter projected final values; you cannot enter both. If you enter the percent complete, the system calculates projected final values. If you enter projected final values, the system calculates the percent complete. If you do not enter the percent complete or projected final values, the system calculates both amounts.

Any revisions that you make using the job adjustment programs updates table F5144. When you are satisfied with the profit recognition information for the period, you can lock the version of the records to prevent unauthorized changes. When you lock a version, the system updates the G7ULCK (User ID Lock) field in table F5144 with the user ID. Locked versions can be unlocked only by the person who locked the job.

If you want to revise other factors that are related to estimating job profit, such as budget, actual, or commitment amounts, you must do so in the system of origin. In this case, you should delete the profit recognition version, enter the revisions, and rerun the R51800 program.



## Forms Used to Revise Profit Recognition Information

Form Name	FormID	Navigation	Usage
Work with Profit Recognition Versions	W5144A	Profit Recognition (G5122), Single Job Adjustments or Group Job Adjustments	Review and select the profit recognition records based on the version, job, and effective date that was used to generate them. If the Version field is blank, journal entries have been generated for the profit recognition records and you cannot revise any of the information.
Group Job Adjustments	W5144B	Select a profit recognition version on Work with Profit Recognition Versions.	Review and revise profit recognition records for multiple jobs. You can also lock the version to prevent unauthorized changes by selecting Lock/Unlock from the Row menu, or unlock a version that you locked previously.
Single Job Adjustments	W51440C	Select a profit recognition version on Work with Profit Recognition Versions.	Review and revise the profit recognition record for a single job. You can also lock the version to prevent unauthorized changes by selecting Lock/Unlock from the Form menu, or unlock a version that you locked previously.
Account Adjustment	W51440A	Select Account Adjustment from the Form menu on the Single Job Adjustments form. You can view only the account records for a profit recognition version that contains a value in the Version field on the Work with Profit Recognition Versions form.	Revise accounts in the profit recognition record.  Review and revise amounts for individual accounts in the profit recognition record.

## Setting Processing Options for Group Job Adjustments (P5144)

Processing options enable you to specify the default processing for programs and reports.

### Version

#### 1. Job Status Inquiry Version (P512000)

Specify the version of the Job Status Inquiry program (P512000) to use when you access the program from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

#### 2. Select Button Exits

Specify the program to run when you select a profit recognition version on the Work with Profit Recognition Versions form. Values are:

- 1: Run the Group Job Adjustments program (P5144).
- 2: Run the Single Job Adjustments program (P51440).

#### 3. Purchase Order Entry Version (P4310)

Specify the version of the Purchase Order Entry (P4310) program that the system uses when the program is called from Single Job Adjustment/Account Adjustment. If you leave this processing option blank, the system uses the ZJDE0015 version.

#### 4. Provision for Loss

Specify whether to add the value in the Provision for Loss field to the Earned Job to Date Cost field. The system calculates and displays a provision for loss value if estimated cost for the contract exceeds estimated revenue. Values are:

Blank: Add the provision for loss value to the earned job to date cost. As a result, the value in the Earned Job to Date Cost field is not equal to the percent complete multiplied by the projected final cost in the Group Job Adjustments program (P5144) and the Single Job Adjustments program (P51440).

- 1: Do not add the provision for loss to the earned job to date cost.

**Note:** You must set this processing option to the same value for these programs: Profit Recognition Build (R51800), Executive Summary Report (R51443), Create Journal Entries for Profit Recognition (R51444), Single Job Adjustment Screen (P51440), and Group Job Adjustment Screen (P5144).

#### 5. (Release 9.2 Update) Earned Amount Calculation

Specify whether to calculate the earned cost and revenue amounts when the cost and revenue for the prior period are reversed, and the current period is a reversal of the prior period. Values are:

Blank: Calculate earned cost and revenue amounts.

- 1: Do not calculate earned cost and revenue amounts.

**Note:** You must set this processing option to the same value for these programs: Profit Recognition Build (R51800), Executive Summary Report (R51443), Create Journal Entries for Profit Recognition (R51444), Single Job Adjustment Screen (P51440), and Group Job Adjustment Screen (P5144).

## Setting Processing Options for Single Job Adjustments (P51440)

Processing options enable you to specify the default processing for programs and reports.

### Version

#### 1. Job Status Inquiry Version (P512000)

Specify the version of the P512000 program to use when you access the program from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

#### 2. Select Button Exits

Specify the program to run when you select a profit recognition version on the Work with Profit Recognition Versions form. Values are:

- 1: Run the Group Job Adjustments program (P5144).
- 2: Run the Single Job Adjustments program (P51440).

#### 3. Purchase Order Entry Version (P4310)

Specify which version of the P4310 program to use when you access the program from the Single Job Adjustment/Account Adjustment form. If you leave this processing option blank, the system uses version ZJDE0015.

#### 4. Provision for Loss

Specify whether to add the value in the Provision for Loss field to the Earned Job to Date Cost field. The system calculates and displays a provision for loss value if estimated cost for the contract exceeds estimated revenue. Values are:

Blank: Add the provision for loss value to the earned job to date cost. As a result, the value in the Earned Job to Date Cost field is not equal to the percent complete multiplied by the projected final cost in the Group Job Adjustments program (P5144) and the Single Job Adjustments program (P51440).

- 1: Do not add the provision for loss to the earned job to date cost.

**Note:** You must set this processing option to the same value for these programs: Profit Recognition Build (R51800), Executive Summary Report (R51443), Create Journal Entries for Profit Recognition (R51444), Single Job Adjustment Screen (P51440), and Group Job Adjustment Screen (P5144).

#### 5. (Release 9.2 Update) Earned Amount Calculation

Specify whether to calculate the earned cost and revenue amounts when the cost and revenue for the prior period are reversed, and the current period is a reversal of the prior period. Values are:

Blank: Calculate earned cost and revenue amounts.

- 1: Do not calculate earned cost and revenue amounts.

**Note:** You must set this processing option to the same value for these programs: Profit Recognition Build (R51800), Executive Summary Report (R51443), Create Journal Entries for Profit Recognition (R51444), Single Job Adjustment Screen (P51440), and Group Job Adjustment Screen (P5144).

## Revising Profit Recognition Records

Access the Single Job Adjustments form.

**Single Job Adjustments**

Work with Profit Recognition Versions | **Single Job Adjustments**

✓ ✗ ⚙ Form < > ⚙ Tools

Version	XJDE0001	Effective Date	06/30/05
Job Number	1620	Birmingham Steel - Mem...	Subledger
Threshold %	<input type="text"/>	<input type="checkbox"/> Percent Complete Entry	Accrual/(Deferral)
Recog Method	1	Percent of cost (Cost to Cost)	Deferred Method
			1 Recognize all profit in 1st PP

	Revenue	Cost	Profit	%
Projected Final Amount	12,300,000.00	11,025,200.00	1,274,800.00	10.36
Actual To Date		2,534,930.00	2,534,930.00-	
Percent Complete		22.99		
Remaining	12,300,000.00	8,490,270.00	3,809,730.00	30.97
Revised Budget		13,013,658.00	13,013,658.00-	
Earned Current Period	2,828,033.87	2,534,930.00	293,103.87	10.36
Earned Year to Date	2,828,033.87	2,534,930.00	293,103.87	10.36
Earned Job to Date	2,828,033.87	2,534,930.00	293,103.87	10.36
Unearned Backlog	9,471,966.13	8,490,270.00	981,696.13	10.36
Under Billing		2,828,033.87		

You can review and revise the same fields regardless of which job adjustment program you select.

### Version

Enter the version of the R51800 program that was used to generate the profit recognition records. If this field is blank, journal entries have been generated for the profit recognition records and you cannot revise the information.

### Threshold %

Enter the threshold percent complete from the Job Master Revisions form or in the Threshold field of the Build Profit Recognition program (R51800). You can revise the threshold percent to review the changes to the profit calculations, if any.

### Percent Complete Entry

Select this check box to change the Projected Final Amount fields to Percent Complete fields. Enter the percent complete in the field that corresponds to the recognition method. The system recalculates projected final values and displays the fields automatically when you click OK.

### Recognition Method

Enter the value of the Recognition Method field at the time the R51800 program was run. You can revise the value to review the changes to the projected final values and profit amount. When you change the value of this field, the system moves the Percent Complete field under the corresponding field. For example, if you enter **1**, the Percent Complete field appears under the Cost field because it applies to cost. If you enter **2**, the Percent Complete field appears under the Revenue field because it applies to revenue.

### Effective Date

Specify the date that was entered in the Period End Date field at the time the R51800 program was run.

### Accrual (/Deferral)

Enter the amount to adjust the actual cost. If you enter the amount as a positive number (accrual), the system adds the value to the actual cost. If you enter the amount as a negative number (deferral), the system subtracts the value from the actual cost. When you generate journal entries, the system updates the accounts for the corresponding AAI pair (JCACPC and JCAPO for accruals, and JCSMI and JCSMJ for deferrals).

### Deferred Method

Enter the value of the Defer Preference field at the time the R51800 program was run. You can enter a different value to review and update the amount of profit. Values are:

- 1:** Recognize deferred profit (profit that was not recognized because the percent complete was less than the threshold percent) in the period in which the percent complete exceeds the threshold percent.
- 2:** Allocate deferred profit proportionately for the life of the job.

### Projected Final Amount Revenue

Enter the sum of the amounts in the HA ledger for the range of accounts identified by the JCCA AAI for the period specified. If you enter (force) a percent complete value, the system updates the value to the F% ledger, and then calculates the projected final revenue using the formula  $AA/F\%$ . If you enter (force) a projected final revenue amount, the system updates the amount to the FA ledger for audit purposes, and recalculates the amount of projected final profit.

### Projected Final Amount Cost

Enter the sum of the amounts in the HA ledger for the range of accounts identified by the JCST AAI for the period specified. If you enter (force) a percent complete value, the system updates the value to the F% ledger, and then calculates the projected final cost using the formula  $AA/F\%$ . If you enter (force) a projected final cost amount, the system updates the amount to the FA ledger for audit purposes, and recalculates the amount of projected final profit.

### Projected Final Amount Profit

Specify the difference between the revenue and the cost. The system subtracts the cost from the revenue. If you enter a value in this field, you must clear a value from either the Projected Final Amount Revenue field or the Projected Final Amount Cost field.

**Note:** If the projected final profit is less than 0, the system also calculates a provision for loss value.

### **Projected Final Amount %**

Enter the percent of profit based on revenue. The system calculates this amount by dividing the amount of profit by the amount of revenue.

### **Percent Complete Revenue**

Enter the percent complete into this field when the recognition method is **2** (profit is based on revenue). The system displays this field only when you select the Percent Complete Entry check box. The system places the Percent Complete field in the Revenue column to indicate that you should update the Percent Complete Revenue field.

### **Percent Complete Cost**

Enter the percent complete into this field when the recognition method is **1** (profit is based on cost). The system displays this field only when you select the Percent Complete Entry check box. The system places the Percent Complete field in the Cost column to indicate that you should update the Percent Complete Cost field.

### **Actual to Date Revenue, Actual to Date Cost, Actual to Date Profit and Actual to Date %**

Enter the amounts from the AA ledger for the range of accounts identified as revenue accounts by the JCCA AAls, and for the range of accounts identified as cost accounts by the JCST AAls. The system subtracts cost from revenue to calculate the profit, and divides the amount of profit by the amount of revenue to calculate the percent.

### **Percent Complete**

Enter (force) a percent complete value for the job. If you do not, the system calculates the percent complete using the formula  $AA / HA$ . The field appears in the column that corresponds to the recognition method.

### **Remaining Revenue, Remaining Cost, Remaining Profit, and Remaining %**

The system calculates the remaining revenue and cost amounts by subtracting the Actual to Date amount from the corresponding Projected Final amount. The system subtracts the remaining cost from the remaining revenue to calculate the remaining profit, and divides the remaining profit by the remaining revenue to calculate the remaining percentage.

### **Revised Budget Revenue, Revised Budget Cost, Revised Budget Profit, and Revised Budget %**

Display the sum of the revised budget ledgers for the range of accounts identified as revenue accounts by the JCCA AAls, and for the range of accounts identified as cost accounts by the JCST AAls. The system subtracts the revised budget cost from the revised budget revenue to calculate the revised budget profit, and divides the revised budget profit by the revised budget revenue to calculate the revised budget percentage.

### **Earned Current Period Revenue, Earned Current Period Cost, Earned Current Period Profit, and Earned Current Period %**

The system calculates earned revenue, cost, and profit by multiplying the percent complete by the projected final revenue, cost, and profit, respectively. The system calculates the percent by dividing the earned revenue by the earned profit.

### **Earned Year to Date Revenue, Earned Year to Date Cost, Earned Year to Date Profit, and Earned Year to Date %**

The system calculates the earned year-to-date amounts in the same manner that it does the earned current period amounts, except that it sums the period amounts in the projected final ledger (HA) through the period specified and multiplies it by the percent complete.

### **Provision for Loss**

The system provides, if costs are greater than revenue, the calculation of the difference as a loss and displays it in the Provision for Loss field. The system calculates the loss using the formula  $(1 - \text{percent complete}) \times \text{profit}$ . For example, if the profit is -1000 and the percent complete is 60, the system calculates the amount for the provision of loss as  $(1 - .6) \times 1000$  or 400.

## Revising Accounts in the Profit Recognition Record

Access the Account Adjustment form.

Click Find on the Account Adjustment form to display cost codes that are associated with the profit recognition record.

### Show ETC Accounts (show estimate to complete accounts)

If you select this check box, the system will display only accounts with estimate to complete amounts.

If you do not select this check box, the system will display all accounts.

### Budget Revision +/- Amount Entry

Enter the amount that specifies whether the system increases or decreases the projected final amount. For example, to increase the budget up 50, enter **50**; to decrease the budget down 50, enter **-50**.

### Projected Final +/- Amnt Entry

Enter a value to change the projected final amount (ledger type HA) in the F0902 table for a job's cost accounts. For example, to increase the budget up 50, enter **50**; to decrease the budget down 50, enter **-50**.

You can also enter a percentage so that the system automatically calculates the amount. If you enter a percentage, which is the percent complete as it applies to cost, enter the number preceded or followed by **%**. For example, you can enter 20 percent as either **%20** or **20%**.

### ETC Amount (estimated to complete amount)

Enter the amount that specifies whether the system increases or decreases the projected final amount. For example, to increase the budget up 50, enter **50**; to decrease the budget down 50, enter **-50**.

This field appears only with method of computation E. The system adds the values in this field to the actual values and updates the Projected Final (HA) ledger.

**Note:** You can access the Purchase Orders program (P4310) to view all the contracts that are associated with that account by selecting Subcontract Mgmt from the Row menu on the Account Adjustments form.

### Note:

- *"Creating Contracts" in the JD Edwards EnterpriseOne Applications Subcontract Management Implementation Guide .*

## Creating Profit Recognition Journal Entries

This section provides overviews of the Create Journal Entries program (R51444) and the profit recognition journal entries that the system creates using the AAls and discusses how to:

- Create profit recognition journal entries.
- Set processing options for Create Journal Entries (R51444).
- Revise profit recognition journal entries.
- Create a job.

## Understanding the Create Journal Entries Program

To generate the journal entries to the accounts that are used in the profit recognition process, you must run the Create Journal Entries program (R51444). The system creates journal entries to the appropriate accounts based on the information from the Profit Recognition table (F5144), which you can review using one of the job adjustments programs. When you run the R51444 program, the system:

- Creates journal entries with a document type JE and batch type G.
- Updates the Record Requires Regeneration field (G7ZFU1) in table F5144 to N.  
This prevents the system from generating journal entries more than once for the same record.
- Clears the Version field (VERS) in table F5144.

This protects the version against changes that could otherwise be made using the job adjustment programs.

After you generate profit recognition journal entries, you must post them to update the F0902 table. If you have generated the journal entries in error, do not delete them.

When you are using the JD Edwards EnterpriseOne Homebuilder Management system, the R51444 program reads the accounts that have subledgers and retrieves the option type from the Option Master program (P44H40). The value in the Special Handling field in the option type UDC table (44H4/OT) will indicate which AAI is used to access the correct cost of sales account.

See *Revising Profit Recognition Journal Entries*.

### Note:

- *"Working with Batches" in the JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide* .
- *"Posting Financial Transactions" in the JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide* .
- *"Setting Up Options" in the JD Edwards EnterpriseOne Applications Homebuilder Management Implementation Guide*

## Understanding the Profit Recognition Journal Entries

When you run the Create Journal Entries program (R51444), the system uses the JD Edwards EnterpriseOne Job Cost AAIs to determine the accounts to use for the debit and credit entries. Because the journal entries must balance, the system uses a pair of AAIs for each type of journal entry that it generates. This table lists each pair of AAIs that the system uses for each balancing journal entry that the system generates.

See *Setting Up AAIs for Job Cost*.

AAI Pair	Function of AAI and Journal Entry	Recognition Method	Debits and Credits
JCST01 and JCST02, JCST03	Identify the range of cost accounts that the system uses. You can set up 49 separate ranges	Not applicable	Not applicable



AAI Pair	Function of AAI and Journal Entry	Recognition Method	Debits and Credits
and JCST04, and so on.	to identify the cost accounts that you want to use.		
JCCA01 and JCCA02, JCCA03 and JCCA04, and so on.	Identify the range of revenue accounts that the system uses. You can set up 49 separate ranges to identify the revenue accounts that you want to use.	Not applicable	Not applicable
BS and IS	Transfer the amounts for the work in progress (WIP) cost and revenue from the balance sheet (item BS) to the cost of sales and revenue accounts on the income statement (item IS).	Not applicable	Dr. IS cost of sales  Cr. BS WIP cost  Dr. BS WIP revenue  Cr. IS revenue
JCCOUA and JCBE	Record the overbilling amount, which the system calculates by subtracting the earned revenue from the actual revenue. If the actual revenue is greater than the earned revenue, the system records the difference in an overbilled revenue account and records the offset in an unearned revenue liability account.  The system generates a reversing journal entry.	1 – Cost	Dr. JCCOUA  Cr. JCBE
JCBOUA and JCBE	Record the overbilling amount, which the system calculates by subtracting the earned revenue from the actual revenue. If the actual revenue is greater than the earned revenue, the system records the difference in an overbilled revenue account and records the offset in an unearned revenue liability account.  The system generates a reversing journal entry.	2 – Revenue	Dr. JCBOUA  Cr. JCBE
JCCE and JCCOUA	Record the underbilling amount, which the system calculates by subtracting the earned revenue from the actual revenue. If the actual revenue is less than the earned revenue, the system records the difference in an underbilled revenue account and records the offset in an accrued revenue asset account.  The system generates a reversing journal entry.	1 – Cost	Dr. JCCE  Cr. JCCOUA
JCCE and JCBOUA	Record the underbilling amount, which the system calculates by subtracting the earned revenue from the actual revenue. If the actual revenue is less than the earned revenue, the system records the difference in an underbilled	2 – Revenue	Dr. JCCE  Cr. JCBOUA

AAI Pair	Function of AAI and Journal Entry	Recognition Method	Debits and Credits
	<p>revenue account and records the offset in an accrued revenue asset account.</p> <p>The system generates a reversing journal entry.</p>		
JCAPC and JCAPO IS and BS	<p>Record the adjustment to the cost that was entered in the Accrual/Deferral field on the job adjustments form. If the amount entered in the field is positive, the adjustment is an accrual.</p> <p><b>Note:</b> Because the accrual and deferral accounts are typically balance sheet accounts, the system generates an additional journal entry to move the amount from the balance sheet to the income statement.</p> <p>The system generates a reversing journal entry.</p>	Not applicable	<p>Dr. JCAPC</p> <p>Cr. JCAPO</p> <p>Dr. IS</p> <p>Cr. BS</p>
JCSMI and JCSMJ IS and BS	<p>Record the adjustment to the cost that was entered in the Accrual/Deferral field on the job adjustments form. If the amount entered in the field is negative, the adjustment is a deferral.</p> <p><b>Note:</b> Because the accrual and deferral accounts are typically balance sheet accounts, the system generates an additional journal entry to move the amount from the balance sheet to the income statement.</p> <p>The system generates a reversing journal entry.</p>	Not applicable	<p>Dr. JCSMI</p> <p>Cr. JCSMJ</p> <p>Dr. BS</p> <p>Cr. IS</p>
JCLOSS and BSLOSS or JCBE	<p>If the projected final amount results in a loss of profit, the system records it in the provision for loss account (JCLOSS) and records the offset in BSLOSS or JCBE if BSLOSS is not set up.</p> <p>The system generates a reversing journal entry.</p>	Not applicable	<p>Dr. JCLOSS</p> <p>Cr. BSLOSS or JCBE.</p>

If you force projected final costs, revenue, or profit values using one of the job adjustment programs, the system also generates one-sided journal entries to the FA ledger if the Projected Final Change Entries processing option is set to **1**. The system uses these AAIs to locate the accounts to use for the journal entries:

- Force projected final costs – JCPFC.
- Force projected final revenue – JCPFR.
- Force projected final profit – JCPFP.

The system generates these journal entries for audit trail purposes only. The system automatically updates the F0902 table for the FA ledger with the amounts that you force regardless of whether you select to generate the journal entries.

## Creating Profit Recognition Journal Entries

Select Profit Recognition (G5122), Create Journal Entries.

## Setting Processing Options for Create Journal Entries (R51444)

Processing options enable you to specify the default processing for programs and reports.

### Process

#### 1. Projected Final Change Entries

Specify whether to create an audit trail (journal entries) when you make changes to the projected final values (cost, revenue, or profit). Values are:

Blank: Do not create an audit trail.

**1:** Create an audit trail. The system creates the journal entry with a document type of FP.

#### 2. Ledger Type

Specify the ledger type to assign to the journal entries that the system generates when you enter **1** in the Projected Final Change Entries processing option. Use when creating journal entries for projected final changes. If you leave this processing option blank, the system assigns ledger type FA.

#### 3. Account Overrides

Job (Business Unit)

Specify the job number to assign to the journal entries that the system generates for profit recognition. The system uses the value that you enter in this processing option in conjunction with the object (cost code) and subsidiary (cost type) accounts entered in the profit recognition AAls.

Subledger

Specify the subledger to assign to the journal entries that the system generates for profit recognition.

**Note:** The job number, subledger, and subledger type entered will override the corresponding values provided by AAls ISXXXX, JCCOUA, JCBOUA, and JCLOSS.

Subledger Type

Specify the subledger type to use when overriding the account during the creation of entries for cost, revenue, over billing, and under billing on the Income Statement.

**Note:** The job number, subledger, and subledger type entered will override the corresponding values provided by AAls ISXXXX, JCCOUA, JCBOUA, and JCLOSS.

#### 4. Summarize IS/BS Entries

Specify whether the system summarizes IS/BS entries. Depending on the value, the system will either generate the full detail with multiple lines of journal entries for each account or summarize the journal entries into one IS and one BS transaction per account number.

## 5. Provision for Loss

Specify whether to add the value in the Provision for Loss field to the Earned Job to Date Cost field. The system calculates and displays a provision for loss value if estimated cost for the contract exceeds estimated revenue. Values are:

Blank: Add the provision for loss value to the earned job to date cost. As a result, the value in the Earned Job to Date Cost field is not equal to the percent complete multiplied by the projected final cost in the Group Job Adjustments program (P5144) and Single Job Adjustments program (P51440).

**1:** Do not add the provision for loss to the earned job to date cost.

**Note:** You must set this processing option to the same value for these programs: Profit Recognition Build (R51800), Executive Summary Report (R51443), Create Journal Entries for Profit Recognition (R51444), Single Job Adjustment Screen (P51440), and Group Job Adjustment Screen (P5144).

## 6. (Release 9.2 Update) Earned Amount Calculation

Specify whether to calculate the earned cost and revenue amounts when the cost and revenue for the prior period are reversed, and the current period is a reversal of the prior period. Values are:

Blank: Calculate earned cost and revenue amounts.

**1:** Do not calculate earned cost and revenue amounts.

**Note:** You must set this processing option to the same value for these programs: Profit Recognition Build (R51800), Executive Summary Report (R51443), Create Journal Entries for Profit Recognition (R51444), Single Job Adjustment Screen (P51440), and Group Job Adjustment Screen (P5144).

# Revising Profit Recognition Journal Entries

If you generate the journal entries in error, or discover that you need to make revisions, *do not* delete the unposted journal entry. Instead, post the journal entry, make the necessary revisions, and rerun the Profit Recognition Build program for the same period.

The system recalculates the profit information based on the changes that you make and generates journal entries for those incremental changes only.

### Note:

- *"Revising and Voiding Posted Journal Entries" in the JD Edwards EnterpriseOne Applications General Accounting Implementation Guide*

## Closing a Job

After the job is complete and the accounting transactions for the job have been generated and updated, you can close the job. When you close the job, you cannot enter any transactional information including journal entries. To close the job, access the Job Master Revisions form and update the Posting Edit field on the job to **N**.

Select Profit Recognition (G5122), Open/Close Job (Job Master).

**Note:**

- *Setting Up Job Master Records.*

## Creating Obsolete Profit Recognition Records (Release 9.2 Update)

This section provides an overview of the Obsolete Profit Recognition Records process and discusses how to:

- Run the Obsolete Profit Recognition Records report (R51446).
- Set processing options for the Obsolete Profit Recognition Records report (R51446).

## Understanding the Obsolete Profit Recognition Records Process

Use the Obsolete Profit Recognition Records report (R51446) to mark records as obsolete in the Profit Recognition (F5144) and Profit Recognition Account Balance (F51445) tables. The system initially created these records in the F5144 and F5145 tables when you ran the Profit Recognition Build report (R51800). If you need to rerun the R51800 report at a different summarization level than it was previously run at, you first have to mark the existing profit recognition records as obsolete.

**Note:**

You may need to rerun a job at a different summarization level than it was previously run at in order to adhere to the revenue recognition accounting standards.

See *"Understanding Revenue Recognition" in the*

*JD Edwards EnterpriseOne Applications Accounts Receivable Implementation Guide*

Review the following rules related to the R51446 report:

- If you run the R51446 report at a summarization level that is different from the level at which you ran the R51800 report for the job, the system does not mark any records as obsolete.
- If you re-run the R51800 program at a different summarization level after you run the R51446 program in proof mode, the system displays an error.
- If you re-run the R51800 program at a different summarization level after you run the R51446 program in final mode, the system updates the percent complete, percent final, and earned amounts, but the system does not update amounts that were updated when the R51800 program was initially run at the previous level.

- If you run the R51800 program twice (both before and after you run the R51446 report) for a job at the same level (project, job, subledger, or RPO), the system displays an error.

Whether you run the R51446 report in either proof or final mode, the system creates a report with the job number, summarization level and number of obsolete records. When you run the R51446 report in final mode, the system also updates the Obsolete Flag in the records in the F5144 table.

When you access either the Group Job Adjustments program (P5144) or the Single Job Adjustments program (P51440) after you run the R51446 report, the system displays only active profit recognition records, not obsolete records. When you run either the Create Journal Entries report (R51444) or the Profit Recognition Job Status report (R51445) after you run the R51446 report, the system does not consider obsolete records.

## Running the Obsolete Profit Recognition Records Report (R51446)

Select Advanced & Technical Operations (G5131), Obsolete Profit Recognition Records.

## Setting Processing Options for the Obsolete Profit Recognition Records Report (R51446)

Processing options enable you to specify the default processing for programs and reports.

### Process

#### 1. Preliminary or Final Processing

Use this processing option to specify the mode in which to run this program. Values are:

Blank (default): Run the program in preliminary mode. When you run the program in preliminary mode before running it in final mode, the system creates a report, which you can use to verify that correct profit recognition records are marked as obsolete. In preliminary mode, the system does not update profit recognition information.

1: Run the program in final mode. The system selects the Obsolete Flag on the profit recognition records.

#### 2. Summarization Level

Use this processing option to specify which summarization level the system uses when making profit recognition records obsolete.

Values are:

Blank: All levels

1: Project level

2: Job level

3: Subledger level

4: Revenue Performance Obligation (RPO) level

#### 3. Company

Use this processing option to specify the company number that the system uses when obsoleting profit recognition records. If you leave this processing option blank, then, depending on the data selection, the system makes all profit recognition records corresponding to all companies obsolete.





# 12 Forecasting Job Revenue and Cost

## Working with Forecasts

This section provides an overview of revenue and cost forecasting, lists prerequisites, and discusses how to:

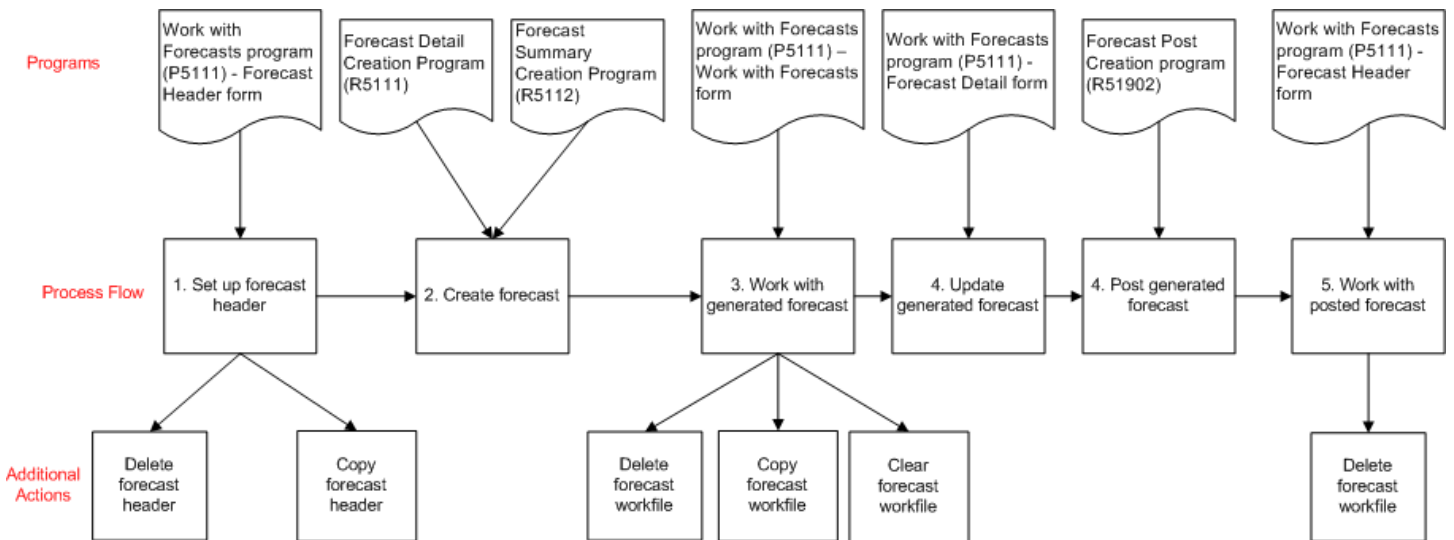
- Set up processing options for the Work with Forecasts program (P5111).
- Set up forecast versions.
- Create forecasts.
- Set up processing options for the Forecast Detail Creation program (R5111).
- Set up processing options for the Forecast Summary Creation program (R5112).
- Update generated detail forecasts.
- Update generated summary forecasts.

## Understanding Revenue and Cost Forecasting

The JD Edwards EnterpriseOne Job Cost system enables you to forecast the revenue and cost for a job by spreading the values to future periods. You can use forecasting to spread the revenue and estimate-to-complete (ETC) cost amounts to future periods to provide a more precise estimate of cash flow.

**Note:** The system spreads revenue and cost estimates in a forecast work file, so these values are separate from the Job Cost financial information.

This diagram describes the programs, process flow, and additional actions when forecasting job revenue and cost:



Use the Work with Forecasts program (P5111) to set up forecast headers. When you set up a forecast header, the system stores the information in the Forecast Master table (F5101).

After you set up a forecast header, you create a forecast workfile by running the Forecast Detail Creation program (R5111) or the Forecast Summary Creation program (R5112). In a forecast workfile, the system uses the ETC amounts per account by job from the Account Balances table (F0902) and forecasts these amounts to the period level for up to 48 periods, or four years, into the future. The system spreads the values based on the scheduled duration of the account as defined in the Cost Code Schedule table (F51901). The system uses the Workday Calendar program (P00071) to determine the number of days in each period. You can set up a calendar by business unit, or, if you do not set up a calendar, the system uses a default system calendar. The system stores the forecast information in the Forecast Detail table (F5111).

See *"Work Day Calendars and Rules"* in the *JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide*.

**Note:** If you create a forecast that is longer than 48 periods, the system stores all of the forecasted values for the periods after the 48th period in the 48th period field. In this case, the 48th period field displays the total of the 48th period plus any additional periods.

After you create the forecast, you can use the Work with Forecasts program to manually update forecasted revenue and cost amounts to reflect your spread preferences. You can change the forecasted cost amounts by period. The system calculates revenue amounts by earned revenue percentage related to cost or you can change the forecasted revenue amounts by period. The Work with Forecasts program also displays the cost and revenue totals, as well as the final net profit or net fees.

When you review forecasts, use the FC Status (forecast status) field on the Work With Forecasts form to quickly determine the status of the forecast, which is either not generated, generated, or posted.

## Deleting Forecasts

Review how the system processes when you delete forecasts in the following circumstances:

- If you delete a Not Generated forecast master record (FC Status = 0), the system deletes the record from the F5101 table.
- If you delete a Generated forecast master record (FC Status = 1), the system deletes the record from both the F5101 and the F5111 tables. The system displays a warning that the system will delete both the master record and the workfile record and that you may want to clear the forecast if you do not want to delete the master record.
- If you delete a Posted forecast master record (FC Status = 2), the system deletes the records from both the F5101 and the F5111 tables. The system displays a warning that the system will delete both the master record and the workfile record and that you may want to clear the forecast if you do not want to delete the master record.

## Copying Forecasts

You can copy forecasts to create multiple versions of a forecast workfile to investigate "what if" scenarios. You may also choose to copy a forecast to continue a previous forecast. For example, you may access a forecast from a previous month and use it to create a forecast for the next month. In this case you can use the amount in the Remaining Amount to Allocate field as an indicator that additional values need to be forecast.

When you create a copy of a forecast, you must specify a new version for the copied workfile. Then the system displays the version number of the "copied from" forecast in the Copied From Version field on the Work with Forecasts form.

In the copied forecast, you can change the following fields on the Forecast Header form:

- Forecast Description
- Summary/Detail
- Lock Status
- Build Date

If you copy a forecast header that does not have a generated forecast workfile, the system copies only the forecast master record from the F5101 table.

If you copy a forecast header that has a generated forecast workfile, the system copies either a detail or summary generated forecast workfile from the F5111 table along with the forecast header from the F5101 table. The system automatically spreads the amounts across periods by copying the values from the F5111 table into the "copied to" version.

## Clearing Forecasts

You can clear only generated forecasts. If you try to clear a forecast that has not been generated, the system displays an error.

When you clear a generated forecast, the system deletes the forecast workfile records in the F5111 table. The system does not clear the forecast header records in the F5101 table.

If you clear a posted forecast, the system displays a warning message that indicates that the forecast has been posted. If you decide to clear a posted forecast, the system deletes the forecast workfile records in the F5111 table. The system does not clear the forecast header records in the F5101 table.

## Prerequisites

Before working with forecasts, you must complete the following steps:

- Verify that the accounts included in the forecast have a start and an end date in the Cost Code Schedule table (F51901).
  - Note:** If an account does not have a planned start date or actual start date, the system uses the build date from the Forecast Header table (F5101) as the forecast start date.
- Verify that the accounts included in the forecast have budget amounts.
- Set up revenue and cost automatic accounting instructions (AAIs) for base company and job company. Revenue accounts include the account range of JCCA01 – JCCA02. Cost accounts include the account range of JCST01 – JCST02.
- For a summary forecast, set the processing options in the Create Summary Forecast program (R5112).
- For a detail forecast, set the processing options the Create Detail Forecast program (R5111).

## Forms Used to Work with Forecasts

Form Name	FormID	Navigation	Usage
Work with Forecasts	W5111B	On the Job Revenue and Cost Forecasting menu (G5124), select Work with Forecast.	Review and select forecasts.
Forecast Version Information	W5111C	Click Add on the Work with Forecasts form.  To revise a forecast header, select a record on the Work with Forecasts form and select Forecast Header from the Row menu.	Set up forecast headers.
Forecast Detail	W5111A	On the Work with Forecasts form, select a forecast header record and click Select or click the link.	Review generated detail and summary forecasts.
Copy Forecast	W5111D	On the Work with Forecast form, select a forecast record and click Copy.	Create a new version of a forecast record.

## Setting Up Processing Options for the Work with Forecasts Program (P5111)

Processing options enable you to specify the default values and versions for programs and reports.

### Defaults

Use these processing options to define the default values that the system applies when you work with forecasts.

#### **Cost Code - From**

Specify the beginning cost code in the cost account range that the system uses to create a forecast.

#### **Cost Code - Thru**

Specify the ending cost code in the cost account range that the system uses to create a forecast.

#### **Revenue Cost Code - From**

Specify the beginning cost code in the revenue account range that the system uses to create a forecast.

#### **Revenue Cost Code - Thru**

Specify the ending cost code in the revenue account range that the system uses to create a forecast.

#### **Calculate Earned Rev %**

Enter a value from UDC table 51/ER that specifies whether the system calculates the amounts in the Revenue grid rows based on the amount earned per forecasted period. This processing option specifies whether this check box is selected on the Forecast Detail form. Values are:

Blank: The system selects the Calculate Earned Rev % check box on the Forecast Detail form and calculates the amount earned per forecasted period.

1: The system does not select the Calculate Earned Rev % check box on the Forecast Detail form and does not calculate the amount earned per forecasted period.

### Versions

#### **1. Forecast Detail Creation (R5111)**

Specify the default version of the Forecast Detail Creation report that the system uses when you select a detail forecast and select Create Forecast from the Row menu on the Work with Forecasts form.

If you leave this processing option blank, the system uses the XJDE0001 version.

#### **2. Forecast Summary Creation (R5112)**

Specify the default version of the Forecast Summary Creation report that the system uses when you select a summary forecast and select Create Forecast from the Row menu on the Work with Forecasts form.

If you leave this processing option blank, the system uses the XJDE0001 version.

#### **3. Forecast Post (R51902)**

Specify the default version of the Forecast Post report that the system uses when you select Post Forecast from the Row menu on the Work with Forecasts form.

If you leave this processing option blank, the system uses the XJDE0001 version.

#### **4. Job Status Inquiry (P512000)**

Specify the default version of the Job Status Inquiry program that the system uses.

If you leave this processing option blank, the system uses the XJDE0001 version.

## Setting Up Forecast Versions

Access the Forecast Version Information form.

### **Job Number**

Enter a value that identifies a job master record in the Job Cost Master Revisions program (P51006). The combination of the job number and forecast version values creates a unique record in the Forecast Header table (F5101).

### **Forecast Version**

Enter an alphanumeric value that identifies a group of forecast records for a business unit. The combination of the job number and forecast version values creates a unique record in the Forecast Header table (F5101).

### **Forecast Description**

Enter a text description that identifies the forecast record.

### **Actual Start Date**

The system displays the start date of the job as specified in the job master record.

### **Planned Comp Date**

The system displays the planned completion date of the job as specified in the job master record.

### **Level of Detail**

The system displays the level of detail of the job as specified in the job master record. This value identifies the relationship of a job with a project, parent job, subordinate jobs, or some other grouping.

### **Summary/Detail**

Enter a value from UDC table 51/SD to specify whether the forecast is created in summary or detail mode. Values are:

S or 1: Summary. In summary mode, the system displays the summarized total for all accounts in one line in both the Revenue and the Cost grid on the Forecast Detail form.

D or 0: Detail. In detail mode, the system displays a line for each account in the forecast in both the Revenue and the Cost grid on the Forecast Detail form.

### **Locked**

Enter a value from UDC table 51/SD that specifies whether the forecast records are available for editing. Values are:

Y or 1: Locked. You cannot edit the forecast records.

N or 0: Not locked. You can edit the forecast records.

### **Build Date**

Specify the date that the system uses to create a forecast workfile.

You can enter a build date before or after the actual start date. If the start date for a cost schedule is before the build date, the system uses the build date. If the start date is after the build date, the system uses the start date.

## Creating Forecasts

To create a forecast, use one of the following navigations:

- On the Job Revenue and Cost Forecasting menu (G5124), select Forecast Detail Creation to create a forecast for detail records.
- On the Job Revenue and Cost Forecasting menu (G5124), select Forecast Summary Creation to create a forecast for summary records.
- On the Work with Forecasts form, select a forecast master record and select Create Forecast from the Row menu. The system determines if the forecast master record is summary or detail and then runs the appropriate forecast creation program; Forecast Detail Creation (R5111) or Forecast Summary Creation (R5112).

When you create a forecast, the system accesses the Cost Code Schedules program (P51901) to retrieve the beginning and end dates from the cost code records. The system calculates projected final, budget original, revised budget, and ETC for each line from the F0902 table and then calculates the spread according to either start and end dates on job record or on the cost code schedule.

## Setting Up Processing Options for the Forecast Detail Creation Program (R5111)

Processing options enable you to specify the default processing for programs and reports.

### Process

#### Create Forecast

Select a value from UDC table 51/FR to specify how the system creates the forecast spread. Values are:

1: The system uses the forecast spread amounts from the F5111 table by job and version to create the forecast.

When you access the Forecast Detail form, the system subtracts the amounts in the Forecast Amount fields from the current values in the Estimate at Completion fields and populates the Amount to Allocate fields with the new value. You can use this processing option in order to re-use the manual spread from month to month so that you do not have to create a new manual spread from the automatic spread for each month.

Blank: The system creates the forecast spread automatically.

#### Cost Code - From

Specify the beginning cost code for costs in a range that the system uses to create the forecast workfile.

#### Cost Code - Thru

Specify the ending cost code for costs in a range that the system uses to create the forecast workfile.

#### Revenue Cost Code - From

Specify the beginning cost code for revenue in a range that the system uses to create the forecast workfile.

#### Revenue Cost Code - Thru

Specify the ending cost code for revenue in a range that the system uses to create the forecast workfile.

#### Source for Calendar

Specify the source that the system uses to search for a calendar to spread forecast amounts.

Blank: The system uses the 365 days calendar.

1: If the workday calendar for the job is available, the system uses the workday calendar for the job. If the workday calendar for the job is not available, the system uses the calendar for the business unit that you enter in the Default Business Unit for Calendar processing option. If the system does not find a business unit entered in the Default Business Unit for Calendar processing option or if a calendar is not associated with the default business unit, the system uses the 365 days calendar.

2: The system uses the calendar for the business unit that you enter in the Default Business Unit for Calendar processing option. If the system does not find a business unit entered in the Default Business Unit for Calendar processing option or if a calendar is not associated with the default business unit, the system uses the 365 days calendar.

#### **Default Business Unit for Calendar**

Enter the business unit associated with a workday calendar that the system uses as default calendar to spread forecast amounts.

## Setting Up Processing Options for the Forecast Summary Creation Program (R5112)

Processing options enable you to specify the default processing for programs and reports.

### Process

#### **Create Forecast**

Select a value from UDC table 51/FR to specify how the system creates the forecast spread. Values are:

1: The system uses the forecast spread amounts from the F5111 table by job and version to create the forecast.

When you access the Forecast Detail form, the system subtracts the amounts in the Forecast Amount fields from the current values in the Estimate at Completion fields and populates the Amount to Allocate fields with the new value. You can use this processing option in order to re-use the manual spread from month to month so that you do not have to create a new manual spread from the automatic spread for each month.

Blank: The system creates the forecast spread automatically.

#### **Cost Code - From**

Specify the beginning cost code for costs in a range that the system uses to create the forecast workfile.

#### **Cost Code - Thru**

Specify the ending cost code for costs in a range that the system uses to create the forecast workfile.

#### **Revenue Cost Code - From**

Specify the beginning cost code for revenue in a range that the system uses to create the forecast workfile.

#### **Revenue Cost Code - Thru**

Specify the ending cost code for revenue in a range that the system uses to create the forecast workfile.



## Updating Generated Detail Forecasts

Access the Forecast Detail form.

### Forecast Detail

Job	JCFC1	Job Cost Forecast 1	Build Date	01/01/05	Calculate Earned Revenue % <input checked="" type="checkbox"/>
Forecast Version	009		G/L Date	01/31/05	
Level of Detail	9		Start Date	01/01/05	
Job Days	1011		Planned Finish Date	12/31/08	<input type="button" value="Refresh Totals"/>

### Cost

Records 1 - 17

Cost Code	Cost Type	Account Header Description	Account Description	Start Date	Finish Date	Days Rem	Daily Rate	Revised Budget	Original/Beg Budget
2200	1355		Equipment	01/01/05	12/31/08	1011	14.8368	15,000.00	14,000.00
2200	1360		Subcontracts	01/01/05	12/31/08	1011	25.7171	26,000.00	26,750.00
2600	1340		Labor	01/01/05	12/31/08	1011	560.5836	566,750.00	556,750.00
2600	1341		Regular	01/01/05	12/31/07	757	337.6486	255,600.00	255,600.00
2600	1342		Premium	06/01/05	10/31/06	360	1,487.2222	535,400.00	535,400.00
2600	1343		Burden	01/01/05	12/31/08	1011	45.9941	46,500.00	46,500.00
2600	1350		Materials	01/01/05	11/01/08	971	37.5386	36,450.00	36,450.00
2600	1355		Equipment	01/01/05	12/31/08	1011	124.5895	125,960.00	125,960.00
2600	1360		Subcontracts	02/01/05	10/01/08	930	105.7634	98,360.00	100,360.00

Use the Forecast Detail form to review and update the generated forecast workfile that the system creates when you run the Forecast Summary Creation program (R5112) or the Forecast Detail Creation program (R5111).

Review the fields in the header section and in the Cost and Revenue grids on the Forecast Detail form:

## Header

### Job Days

The system displays number of days from the job start date to the job end date.

### Calculate Earned Revenue %

Use this check box to specify whether the system calculates the revenue period amounts based on the amount earned per forecasted period.

If you select this check box, the system calculates the revenue for each period based on the amount earned per forecasted period. To calculate the earned revenue percentage, the system takes the total amount of all costs for a period and divides it by the ETC total. Then the system multiplies this earned revenue percentage by the revenue ETC to get the revenue period amounts. The system creates a link between the Cost and Revenue grid and you cannot make changes in the Revenue grid. If you select this check box, the system automatically spreads the revenue amounts based on the cost spreads and overlays any manual revenue entries.

If you do not select this check box, the system does not calculate the revenue based on amount earned per forecasted period. The system does not create a link between the Cost and Revenue grid and you can make changes to the Revenue grid.

**Note:** You can select and deselect this check box.

### Refresh Totals

After you make changes to the Forecasting Amount fields in the Cost grid, click this button to refresh the totals.

If the Calculate Earned Revenue % check box in the header is not selected, the system refreshes the total in the Cost grid only.

If the Calculate Earned Revenue % check box in the header is selected, the system first refreshes the total in the Cost grid. The system then uses these new cost totals in the earned revenue percentage calculation to calculate the revenue totals, which the system displays in the Revenue grid.

## Cost and Revenue Grids

### Days Remaining

The system displays the number of days between start date and finished date from the cost code schedule.

### Daily Rate

The system displays the revenue or cost amount per day for an account by dividing the value in the ETC field by the value in the Days Remaining field. The system uses this value to calculate the amounts to spread across the forecast.

### Revised Budget

The system displays the current value after additions or subtractions are made to the original budget amount.

### Original/Beg Budget

The system displays the original budget amounts for any ledger in the Account Balances table (F0902).

### Inception to Date

For each account, the system displays the actual costs of services that were invoiced since the start date of the task. Start date can be the job start date or the forecast build date, whichever is later. Inception-to-date amount includes the balance forward amount from the prior year in conjunction with the year-to-date totals. This value is cumulative throughout the date range of the task.

### Estimate to Complete

For each account, the system displays the estimate to complete amount.

**Note:** You can only forecast amounts for accounts that have an ETC value.

### **Estimate at Completion**

For each account, the system displays the projected amount.

### **Current Month Actual**

The system displays the actual cost per month.

### **Amount To Allocate**

The system displays the remaining amount to forecast by subtracting the value in the ETC field from the total of all the values in the Forecasting Amount fields for an account.

### **Period 1 Days - Period 48 Days**

The system displays how many work days are in a period.

The Period Days fields correspond to the Forecasting Amounts fields.

### **Forecasting Amount 01 - Forecasting Amount 48**

The system displays the forecasted cost or revenue amount for each period. You can edit the values in these fields.

The Forecasting Amount fields correspond to the Period Days fields.

## Updating Generated Summary Forecasts

Access the Forecast Detail form.

**Forecast Detail** Layout: (No Layout) ▾

✓ 🔍 ✕ ⚙️ Form ⚙️ Tools

Job	JCFC1	Job Cost Forecast 1	Build Date	01/01/05	Calculate Earned Revenue % <input checked="" type="checkbox"/>				
Forecast Version	4540		G/L Date	01/31/05					
Level of Detail	9		Start Date	01/01/05					
Job Days	1011		Planned Finish Date	12/31/08	<b>Refresh Totals</b>				

**Cost**

Records 1 - 2

Cost Code	Cost Type	Account Header Description	Account Description	Start Date	Finish Date	Days Rem	Daily Rate	Revised Budget	Original/Beg Budget
			Cost Summary	01/01/05	12/31/08	0	5,005.4072	3,278,580.00	3,269,930.00
<b>Cost Total</b>								<b>3,278,580.00</b>	<b>3,269,930.00</b>

**Revenue**

Records 1 - 4

Cost Code	Cost Type	Account Header Description	Account Description	Start Date	Finish Date	Days Rem	Daily Rate	Revised Budget	Original/Beg Budget
9	8999		Revenue Summary	01/01/05	12/31/08	0	4,797.2305	4,850,000.00	4,850,000.00
<b>Revenue Totals</b>								<b>4,850,000.00</b>	
<b>Net Profit/Fee</b>								<b>4,850,000.00</b>	

When you create a summary forecast, the system displays the total forecast values for all accounts in the job in one account line in the Cost and Revenue grids.

In the Cost grid, the system summarizes the values in a blank cost code and blank cost type.

In the Revenue grid, the system summarizes the values in the first account in the range of the forecast.

Review the following fields in the Cost and Revenue grids:

**Days Remaining**

The system displays the total of all the days for all the accounts included in the forecast.

### Daily Rate

The system displays the total of all the rates for all the accounts included in the forecast.

## Posting Forecasts

This section provides an overview of forecast posting and discusses how to:

- Post forecasts.
- Set up processing options for the Forecast Post program (R51902).

## Understanding Forecast Posting

Use the Forecast Post program (R51902) to post a detail or summary forecast. You can post a forecast that is at the generated status or the posted status. When you run the Forecast Post program, the system uses the records from the Forecast Detail table (F5111) to create or update records in the Account Balances table (F0902). If you repost a forecast that was already posted, verify that the system overwrites the original forecast records with new forecast details in the F0902 table.

## Posting Forecasts

To post a forecast, use either of the following navigations:

- From the Job Revenue and Cost Forecasting menu (G5124), select Forecast Post.
- On the Work with Forecasts form, select a forecast workfile record and select Post from the Row menu.

## Setting Up Processing Options for the Forecast Post Program (R51902)

Processing options enable you to specify the default processing for programs and reports.

### Processing

#### 1. Forecast Ledger Type

Use this processing option to enter a value from UDC table (51/FT) that specifies the forecast ledger that the system uses to post to the Account Balances table (F0902).

FC is the recommended ledger type. The system does not support ledger types AA, AU, JA, JU, HA, HU, PA, or PU.



# 13 Processing Draws

## Understanding the Draw Process

Loans for construction projects are often funded over the course of the project as costs are incurred. This partial funding of the loan is known as a draw. You perform draw processing if the company has a construction loan or line of credit with a financial institution. You use draw processing for situations when you receive disbursements of the loan money based on the eligible costs you incurred during a given period.

An eligible cost is a cost stipulated in the loan agreement. You receive disbursements for eligible costs after you incur them, up to the total amount of the loan. You can generate a draw report to show the eligible costs that you incur during a given period.

For example, suppose that you set up a job for which you identified a number of work items, such as site work, concrete, and masonry. Each work item is further divided into tasks, such as:

- Clearing and grading
- Sewer work
- Paving and surfacing

You receive a construction loan of 25 million USD for the job, 3 million USD of which is designated for site work. Of this amount, 1 million USD is for eligible costs for each site work task. At the end of a reporting period, you perform draw processing on the eligible costs for the *site work* work item. The system generates a draw report that shows these eligible costs for the period:

- 250,000.00 USD against the clearing and grading task
- 95,000.00 USD against the sewer work task
- 55,000.00 USD against the paving and surfacing task

You submit the report to the lending institution and draw 400,000.00 USD against the loan for the period.

The process to generate the final draw report that you send you to the financial institute consists of these tasks:

- Run the Draw Generation program (R51500).
- Enter draw revisions.
- Run the Draw Detail report (R51510).

## Prerequisite

Set up automatic accounting instructions (AAIs) to identify accounts that are eligible for draw processing.

See [Setting Up AAIs for Job Cost](#).

## Generating Draws

This section provides an overview of the Draw Generation program and discusses how to:

- Run the Draw Generation program (R51500).
- Set processing options for Draw Generation (R51500).

## Understanding the Draw Generation Program (R51500)

You run the Draw Generation program (R51500) to generate a report of the costs that have been incurred for a job over a period of time so that you can submit them for a reimbursement (draw) against the loan that you obtained from a bank or other financial institution. You can run the Draw Generation program in either preliminary or final mode.

### Preliminary Mode

In preliminary mode, the system prints a report of the costs associated with the job. The system uses the processing options and data selection to retrieve information from these tables:

- Account Ledger table (F0911)  
The system uses the draw AAls, which are set up in ranges, to select the transactions from this table that meet the criteria of the report and to update Draw Reporting Master table (F51911).
- Draw Reporting Master table (F51911)  
The system selects eligible records from this table that have not been included in a previous draw and that meet the criteria of the report. Eligible records have a blank draw date, a blank draw status, and a blank draw number.

Processing options also provide selection criteria for ledger types and transaction types. For example, you can select only those transactions that are fully paid or select both paid and unpaid transactions. The system subtotals all of the selected costs by job on the report.

If the preliminary report does not contain the correct information, you can change the draw AAls, data selection, and processing options and rerun the program until the report shows the information that you need before you run the program in final mode and update table F51911. The system does not update any tables when you run Draw Generation in preliminary mode.

### Final Mode

Although you should run this program in preliminary mode first, you are not required to. Although the program updates table F51911 when you run the program in final mode, the system provides a revision program that you can use to clear or modify transactions before you print the report to send to the financial institution. You still have the opportunity to work with the selected transactions, on a transaction-by-transaction basis, which can be time consuming.

When you run the program in final mode, the system uses the same criteria to select records and, additionally, it:

- Updates table F51911 with transactions selected from table F0911.
- Updates table F51911EX with the explanation assigned to the journal entry.
- Assigns a draw number on all the selected records in F51911 based on the processing option that you select.



- Assigns a draw status of **1** to the records so that the system does not include them in another draw.
- Assigns a draw date that is equal to the date that you entered in the Thru Date processing option.

If you change the company or account number for an account that has existing draw transactions, you must run the Update- BU/OBJ/SUB/CO F0901>F51911 program (R51806) so that the system updates the records in table F51911 appropriately.

See *Updating Account Information for Draw Reporting*.

## Running the Draw Generation Program (R51500)

Select Job Draws and Reporting, (G5123), Draw Generation.

## Setting Processing Options for Draw Generation (R51500)

Processing options enable you to specify the default processing for programs and reports.

### Process

#### 1. Processing Mode

Specify whether to run the program in preliminary or final mode. Values are:

Blank: Run the program in preliminary mode. The system produces a report of the transactions that it selects. The system does not update the Draw Reporting Master table (F51911).

**1:** Run the program in final mode. The system produces a report of the transactions that it selects and updates the Draw Reporting Master table (F51911) with new transactions.

#### 2. Date Range

From Date

Specify the beginning date to use to select transactions. The system compares the date range that you enter to the general ledger date of the transaction to determine whether to include it. You cannot leave this processing blank; the system returns an error.

Thru Date

Specify the ending date to use to select transactions. The system compares the date range that you enter to the general ledger date of the transaction to determine whether to include it. You cannot leave this processing blank; the system returns an error.

#### 3. Ledger Types

Ledger Type 1 through Ledger Type 5

Specify the ledger types to use to select records. You can specify up to five ledger types.

#### 4. Draw Next Numbers

Specify the table to use to retrieve the next draw number to assign to the transactions when you run the program in final mode. Values are:

Blank: Use the Job Cost Draw Next Number table (F51002). You specify the draw number to assign to each job. Therefore, you could assign the same draw number to multiple jobs, if desired. If you select this option and a next

number record is not set up in the table for the job, the system generates a next number record and assigns it draw number 1.

**1:** Use the Next Numbers table (F0002). The system assigns a unique draw number to each job starting the with number that is set up for system 51, line 3.

### 5. Paid Transactions

Specify the type of transactions to include on the report. Values are:

Blank: Include all transactions based on the draw AAls.

**1:** Include only fully paid transactions. The system selects only voucher records with a pay status of P. Because multiple payments can be processed for one voucher, the system uses the gross amount of the voucher as the draw amount, not the payment amount.

## Revising Draw Transactions

This section provides an overview of the Draw Revisions program (P515003) and discusses how to:

- Set processing options for Draw Revisions (P515003).
- Set processing option for Draw Status Update (P515001).
- Revise draw transactions.

## Understanding the Draw Revisions Program (P515003)

Because the system selects transactions based on the draw AAl ranges that you set up, it might include additional transactions that you do not want when you run the Draw Generation program in final mode. You can use the Draw Revisions program (P515003) to review the transactions by job for a particular draw number, as well as to revise information, such as:

- Draw number.
- Draw amount.
- Draw status.
- Draw date.
- Description that prints on the report.

You cannot change the account information, general ledger date, or original amount.

Using Draw Revisions, you can also:

- Manually add a transaction to the draw table.
- Add a transaction using the information from table F0911. If the transaction is not in table F0911, you must add it using the system-assigned document number and document type.
- Delete a transaction.

The system removes the record from tables F51911 and F51911EX only. The system does not alter the F0911 record.

- Split a transaction into multiple detail lines, which you can later assign to a different draw.

- Review the original source of the transaction.  
If you select Original Source from the Row menu, the system displays the batch review program for the associated batch type, which you can use to review transaction details.

## Splitting a Draw Transaction

Although you can revise the draw amount for a transaction, you might want to schedule different transaction amounts for future draws. Rather than trying to track the amount and date of the transaction to include in future draws, you can split the transaction and assign the future draw amounts and dates.

To split the transaction into multiple draws, you select Draw Split from the Row menu. The system displays the Split Draw Entry form, on which you can enter the amount and explanation for each detail line. You can split the transaction into as many detail lines as you want, but the amount that you assign to each detail line must total the draw amount of the transaction. When you click OK, the system returns you to the Draw Revisions form, where you must inquire again to see the new draw detail lines.

When you split a draw transaction, the system creates new draw records and assigns them the same document details as the original transaction, with the exception of the document type. Because these new records exist only in the draw tables, the system automatically assigns them a document type of DR to differentiate them from F0911 transactions. The new draw detail lines retain the general ledger date, draw number, draw status, and draw date from the original transaction. After you split a draw, you can revise the draw date and draw status on the new detail lines so that you can include them in future draws.

For example, suppose you want to split JE 1234, which has a draw amount of 1,200, into four detail lines with equal amounts. The system would generate these records:

Document Type	Document Number	JE Line Number	Draw Amount	Result
JE	1234	1.0	300	The system changes the draw amount of the original transaction from 1,200 to 300.
DR	1234	2.0	300	The system generates this record.
DR	1234	3.0	300	The system generates this record.
DR	1234	4.0	300	The system generates this record.

## Changing the Draw Status

You can change the draw status on an individual transaction or for all the of the transactions for the job that are assigned the same draw number. The draw status that you assign must be set up in user-defined code (UDC) table 51/DR. The system provides these statuses for you:

- Blank: Clear the draw status when you want to exclude the draw transaction from the draw report. The system clears the Draw Number and Draw Date fields when you assign this value. To reassign the transaction to another draw, complete the draw number and date, and change the status to a value other than blank.

- **1:** The system automatically assigns this value when you run the Draw Generation program. Assign this status when you want to include the transaction on the draw report.
- **H:** Assign this status to hold the transaction for a future draw. The system does not include the transaction on the draw report for the draw number specified; however, the system retains the values in the Draw Number and Draw Date fields.
- **N:** Assign this status to indicate that the transaction is not fully paid. The system includes the transaction on the draw report.
- **X:** Assign this status to exclude the transaction from the draw report. You can assign this value to indicate that you never intend to include the transaction in a draw. The system retains the values in the Draw Number and Draw Date fields for audit purposes.

If necessary, you can set up additional statuses in UDC 51/DR. The system includes transactions for additional statuses on the draw detail report.

You use the Draw Revisions form to change the draw status of an individual transaction. To change the status on all of the transactions for the draw and job number, select Draw Status from the Row menu on the Work With Draws form. The system displays Draw Status Update form, on which you can enter a new draw status. Additionally, you must select the Update check box. If you are updating the status from blank to another value, you must also complete the New Draw Number and New Draw Date fields.

## Forms Used for Draw Processing

Form Name	FormID	Navigation	Usage
Work With Draws	W515001A	Job Draws and Reporting (G5123), Draw Revisions	Review and select draw master records. The form displays the draw amount by job and draw number.
Draw Revisions	W515003A	Select Draw Revisions from the Row menu on Work With Draws.	Review and revise draw transactions.
Split Draw Entry	W515003B	Select Draw Split from the Row menu on Draw Revisions.	Split the draw transaction into multiple transactions, as needed. The system updates tables F51911 and F51911EX when you click OK.
Draw Status Update	W515001B	Select Draw Status Update from the Row menu on Work With Draws.	Update the status of all the transactions in the draw for the job. You must select the Update check box or the system does not update the transactions. Additionally, if you change the draw status from blank to

Form Name	FormID	Navigation	Usage
			another value, you must complete the New Draw Number and New Draw Date fields.

## Setting Processing Options for Draw Revisions (P515003)

Processing options enable you to specify the default processing for programs and reports.

### Defaults

#### 1. Document Type

Specify the document type to assign to transactions that you manually add to the Draw Reporting Master table (F51911). If you leave this processing option blank, the system assigns JE.

## Setting Processing Options for Draw Status Update (P515001)

Processing options enable you to specify the default processing for programs and reports.

### Versions

#### 1. Draw Revisions (P515003)

Specify the version of the Draw Revisions program to use when you select the program from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

## Revising Draw Information

Access the Draw Revisions form.

#### Draw Number

Enter the draw number to use to display records from table F51911. Using a wildcard value (\*) is not valid.

**Note:** Because you can manually clear records from the draw by clearing the draw number, blank is a value.

#### Draw Status Code

Enter the draw status to use to display records from table F51911, or enter the new draw status to assign to records already displayed. The system automatically assigns a value of **1** to this field when you run the Draw Generation program. You can revise the status, as necessary, to manage the transactions or to exclude them from printing on the draw report that you send to the financial institute. Values are:

**Blank:** Do not include the transaction on the draw report. If you change the draw status from a value to blank, the system additionally clears the Draw Number and Draw Date fields.

**1:** Include the transaction on the draw report.

**H:** Hold the transaction for a future draw. The system does not include the transaction on the draw report for the draw number specified; however, the system retains the values in the Draw Number and Draw Date fields.

**N:** Include the transaction on the draw report. You can assign this value to indicate that the transaction is not fully paid.

**X:** Exclude the transaction from the draw report. You can assign this value to indicate that you never intend to include the transaction in a draw. The system retains the values in the Draw Number and Draw Date fields for audit purposes.

**Draw Date**

Specify the date that was entered in the Thru Date processing option of the Draw Generation program.

**General Ledger Date**

Specify the date the transaction was posted to the general ledger. You cannot revise the general ledger date.

**Original Amount**

Enter the original transaction amount before any draws were processed.

## Printing the Draw Detail Report

This section provides an overview of the Draw Detail Report (R51510) and discusses how to:

- Print the Draw Detail report (R51510).
- Set processing options for the Draw Detail report (R51510).

## Understanding the Draw Detail Report (R51510)

After you assign the transactions for which you require reimbursement to a specific draw number, you can generate the Draw Detail report (R51510) to send to the financial institute. The Draw Detail report provides information about each transaction, including account information, general ledger date, document number and type, and draw amount.

You use processing options to specify the draw number to use to select the records to print. The system does not include records that do not have a draw number or for which the draw status is blank.

The system also provides these additional reports that you can print:

- Cost of Construction: Detail (R51520).
- Cost of Construction: Summary (R51525).

See *JD Edwards EnterpriseOne Job Cost Reports*.

## Printing the Draw Detail Report (R51510)

Select Job Draws and Reporting (G5123), Draw Detail Report.

## Setting Processing Options for Draw Detail Report (R51510)

Processing options enable you to specify the default processing for programs and reports.

## Process

### 1. Draw Number

Specify the draw number to use to select the records to print on the report.

### 2. Amount(s) to print

Specify whether to include an additional column on the report to print the original amount from the Account Detail table (F0911). Values are:

Blank: Do not include an additional column; the system prints the draw amount only from table F51911.

1: Include an additional column to print the original amount from table F0911.





# 14 Running Job Cost Updates

## Running Job Cost Updates

If your company has recently expanded or undergone a change in management, you might need to change the way it tracks and reports on the job information.

**Note:** Although the program to update category codes globally appears on the Advanced & Technical Operations menu with the other programs listed in this chapter, it is part of the process to assign alternate sequences.

## Updating Account Information for Draw Reporting

This section provides an overview of updating the Draw Reporting Master table when account information has changed and discusses how to run the Update BU/OBJ/SUB/CO F0901>F51911 program (R51806).

## Understanding Account Information Updates for Draw Reporting

If you change any part of the account information, the account assigned to the company or the business unit (job number) or object and subsidiary account then you must update the existing account information for the Draw Reporting Master table by running Update BU/OBJ/SUB/CO F0901>F51911 (R51806). Otherwise, the system will not be able to retrieve and update the accounts correctly for draws that occur after the change.

When you run the R51806 program, the system:

- Retrieves the first record in table F51911.
- Using the short account ID assigned to the F51911 record, locates the corresponding record in table F0901.
- Updates the company, business unit, object, and subsidiary fields in table F51911 with the values from the corresponding record in F0901.

**Note:** This program is specific for correcting the account information on records in the Draw Reporting Master table only. To update the account changes in the Account Ledger (F0911) and Account Balances (F0902) tables, run the Update BU.Obj.Sub to Jnl Ent program (R09806).

See *"Updating the F0911 and F0902 Tables" in the JD Edwards EnterpriseOne Applications General Accounting Implementation Guide*

## Updating Account Information for Draw Reporting

Select Advanced & Technical Operations (G5131), Update BU/OBJ/SUB/CO F0901>F51911.

## Updating Methods of Computation

This section provides an overview of the Method of Computation Conversion program (R519901) and discusses how to:

- Update the method of computation.
- Set processing options for Method of Computation Conversion (R519901).

### Understanding Method of Computation Conversion Program (R519901)

If you need to change the method of computation on all of the accounts for a specific job, or on a specific account across several jobs or projects, rather than locating an updating the method of computation on each individual account, you can run the Method of Computation Conversion program (R519901) to update the globally update the accounts.

You use data selection to specify the accounts to select for update, or to specify the method of computation to update, or both. You use processing options to specify the method of computation that you want to assign. For example, you might want to update all of the accounts that are assigned method F to method D, or you might want to change the method of computation for cost type 1341 for all jobs, or you might want to select records with cost type 1341 that are assigned method of computation F.

When you run the R519901 program, the system selects the records from the Account Master table (F0901) and updates them with the method of computation from the processing option. Additionally, the system updates the balances for projected final values (HA and HU ledger) in the Account Balances table (F0902) based on the new method of computation. The system also prints a report of the selected records and the computation method that was originally assigned, so that if you do make an error, you have the information to correct it.

### Updating the Method of Computation

Select Advanced & Technical Operations (G5131), Method of Computation Conversion.

### Setting Processing Options for Method of Computation Conversion (R519901)

Processing options enable you to specify the default processing for programs and reports.

#### Process

##### 1. New Method of Computation

Specify the new computation method to assign to the accounts specified using data selection. The system updates the Method of Computation field (CCT) in the Account Master table (F0901) with the value that you enter, and recalculates projected final values (HA and HU ledgers).

## Recalculating Job Cost Projections

This section provides an overview of the Recalculation Projections Program (R51803) and discusses how to:

- Run the Recalculate Projections program (R51803).
- Set processing options for Recalculate Projections (R51803).

### Understanding the Recalculation Projections Program (R51803)

You run the Recalculate Projections program (R51803) when you suspect that projected final values are incorrect, or as part of the integrity reporting process. The system selects the records from the Account Master table, locates the corresponding records from the Account Balances table, and recalculates projected final (estimate to completion) values (HA and HU ledger).

The program has processing options to limit the selection of records to a specific fiscal year and range of periods. Use data selection to further limit the record to selection to specific jobs or accounts, as necessary. You also have the option to print a report of the transactions that the system selected and the final calculations, however, the report does not list all of the transactions on which the calculations were based.

### Running the Recalculate Projections Program (R51803)

Select Advanced & Technical Operations menu (G5131), Recalculate Projections.

### Setting Processing Options for Recalculate Projections (R51803)

Processing options enable you to specify the default processing for programs and reports.

#### Process

##### 1. Period Range

Specify the range of period numbers to use to select records to process. The system uses the period range in conjunction with the Fiscal Year Range processing options to select records.

If you leave the period range processing options blank, the system selects records for the current period based on the fiscal date pattern that is assigned to the company for the job.

##### 2. Fiscal Year Range

Specify the range of fiscal years to use to select records to process. The system uses the fiscal year range in conjunction with the Period Range processing options to select records.

If you leave the fiscal year range processing options blank, the system selects records for the current fiscal year based on the fiscal date pattern that is assigned to the company for the job.

#### Print

##### 1. Suppress Report

Specify whether to print a report of the transactions updated. The report lists each account and the newly calculated projected final values. Values are:

Blank: Print the report.

**1:** Do not print the report.

## Deleting Projected Final Information

This section provides an overview of deleting projected final information and discusses how to set processing options for Delete Job Cost Projections (R51997).

### Deleting Projected Final Information

If you had set the JD Edwards EnterpriseOne Job Cost constant to generate the audit trail records for the projected final ledgers (HA and HU) and you want to remove them, you can run the Delete Job Cost Projections program (R51997). Based on the data selection that you specify, the system removes the Account Ledger (F0911) records for the HA and HU ledgers. You can remove the corresponding projected final ledger records from the Account Balances table (F0902).

You must access the R51997 program through the Batch Versions application. Access batch versions and then enter R51997 in the Batch Application field.

## Setting Processing Options for Delete Job Cost Projections (R51997)

Processing options enable you to specify the default processing for programs and reports.

### Process

#### 1. Retain Balances

Specify whether to delete the corresponding balances for the HA and HU ledgers from the Account Balances table (F0902). Values are:

Blank: Delete the F0902 balances for the HA and HU ledgers.

**1:** Retain the F0902 balances for the HA and HU ledgers.

## Summarizing and Purging Job Information

This section provides an overview of the Job Cost Purge process, lists prerequisites, and discusses how to run the Job Cost Purge program (R51840).

## Understanding the Job Cost Purge Process

You can use either of two methods to remove JD Edwards EnterpriseOne Job Cost transactions from the system. One method is to summarize and purge data using these JD Edwards EnterpriseOne General Accounting programs:

- Summarize Transactions (R09811)
- Purge Prior JEs (R09911)

The other method is to purge all Account Ledger (F0911) and Account Balance (F0902) records for the job using the Job Cost Purge program (R51840). Depending on the information that you want to retain, you can select the method that best suits your business needs.

### Summarize and Purge Account Ledger Transactions

You can purge Account Ledger (F0911) transactions for a job that is not closed if you summarize the transactions first using the Summarize Transactions program (R09811). The Summarize Job Transaction program creates a new transaction for each account by period to represent the total amount of the transactions for the period of time specified. For example, if there are 100 transactions entered for account 5001.02200.1341 for period 6 of 2008, the system generates one record with a document type of BF for account 5001.02200.1341 with the summarized amount.

After you summarize transactions, you can purge them from table F0911 using the Purge Prior JEs program (R09911). The purpose of creating summarized records is to maintain an audit trail between F0911 detail records and the F0902 balance records, which is critical if you ever need to repost account balances. Both the Summarize Transactions and Purge Prior JEs programs rely on AAI ranges that you set up to specify the eligible accounts. These processes are described in detail in the JD Edwards EnterpriseOne General Accounting guide.

See *"Summarizing Records and Purging Records" in the JD Edwards EnterpriseOne Applications General Accounting Implementation Guide* .

### Purging Job Cost Transactions

When you no longer want to retain any accounting records for the job, you can purge the records by running the Job Cost Purge program (R51840). When you run the Job Cost Purge program, the system:

- Selects job master records (F0006) that are assigned a posting edit code of P.
- Locates all transactions for the job from the Account Ledger (F0911) and Account Balance (F0902) tables for all accounts and all ledgers, across all fiscal years, that are associated with that job (including any records summarized using program R09811)
- Writes the records to the corresponding purge tables (F0911P and F0902P).
- Removes records from the tables F0911 and F0902.

You can use data selection to limit the purge to a specific job, or fiscal year, or ledger type. Otherwise, the system selects the records to remove based solely on those jobs in which the posting edit code is P. The purge program does not have associated processing options.

After you purge jobs, you can save the F0911P and F0902P tables to a tape or other media type for storage. If you want to remove the actual job and related accounts from the Business Unit Master (F0006) and Account Master (F0901) tables, you must additionally purge any accounts payable and accounts receivable transactions associated with the job.

**Note:**

- *"Revising an Organization" in the JD Edwards EnterpriseOne Applications General Accounting Implementation Guide* .

## Prerequisites

Before you purge transactions, you must:

- Perform a backup of the system files that you are going to purge.
- Assign a posting edit code of **P** to the jobs that you want to purge. You must assign the posting edit code to the job (business unit), on the Job Master Revisions form, not to the account.

## Running the Job Cost Purge Program (R51840)

Select Advanced & Technical Operations (G5131), Job Cost Purge.

# 15 Selecting Job and Billing Data to View (Release 9.2 Update)

## Understanding the Project Status Inquiry Process

Before you can review projects and jobs, you must specify your data selection and generate the records that you want to view. You specify jobs, dates, user-defined columns, summarization method, sequencing, and other criteria.

You can generate and view records in real-time, or you can generate and save records to view at a later time. You can generate the records to view using these three methods:

- Use the Work with Project Status Inquiry program (P51X0200) to specify data selection, and then click the View Now button to view the records in real-time.

The system generates the records using the data selection and processing options that you set in the Work with Project Status Inquiry program and automatically opens the Project Status Inquiry program (P51X0210) so that you can view the results. When you use this method, you can preview the job records used in the data selection, and can use the QBE line and enhanced queries to refine the data set that you submit for processing.

The system does not automatically save the generated records when you use this method. If you want to save the records, you must click the View Now button to view the records on the Project Status Inquiry form, and then click Save Results button on that form. A processing option controls whether the Save Results button appears on the Project Status Inquiry form.

- Use the Work with Project Status Inquiry program (P51X0200) to specify data selection, and then click the View Later button to have the system generate and save records that you can view at a later time.

When you use this method, you can preview the job records, and can use the QBE line and enhanced queries to refine the data set that you submit for processing. A processing option controls whether you can use this option. If view later processing is not enabled, then the Work with Project Status Inquiry form does not include the View Later button.

- Run the Submit Project Status Inquiry View program (R51X0300) from a menu, the Batch Versions program, or a job scheduler to generate and save records that you can view at a later time.

When you use this method, you use Data Selection and processing options in the Submit Project Status Inquiry View program to specify the data to include instead of using the Work with Project Status Inquiry program to specify selection criteria.

No matter which method you use to generate records, you view the records in the Project Status Inquiry program (P51X0210). If you used the method that gives you a real-time view of the records, the system automatically opens the Project Status Inquiry program when it completes record processing. If you used a method that saves records, you locate the saved records using the Project Status Inquiry View program (P51X0310) and then select the set of saved records to view in the Project Status Inquiry program.

When you generate records to view, the process retrieves job records from the Business Unit Master table (F0006). It also retrieves financial information according to the columns that you set up in the Project Status Inquiry Column Definitions program (P51X90) and the Project Status Inquiry Column Layouts program (P51X91). After you access the generated records in the Project Status Inquiry program, you can save the generated records so that you can view them

again later, or you can exit the program without saving the records. If you saved the view results, you can use the Project Status Inquiry View program to delete the record sets when you are finished viewing a set of records.

The project financial management process retrieves cost and other financial information from the Account Balances (F0902) and Account Ledger (F0911) tables, and billing amounts from these tables:

- Billing Detail Workfile (F4812)
- Billing Workfile History (F4812H)
- Customer Ledger (F03B11)
- Invoices Summary Workfile (F4822)

**Note:**

- *Understanding the Work with Project Status Inquiry Program*
- *Generating Job and Billing Data to View Later (Release 9.2 Update)*

## Understanding the Work with Project Status Inquiry Program

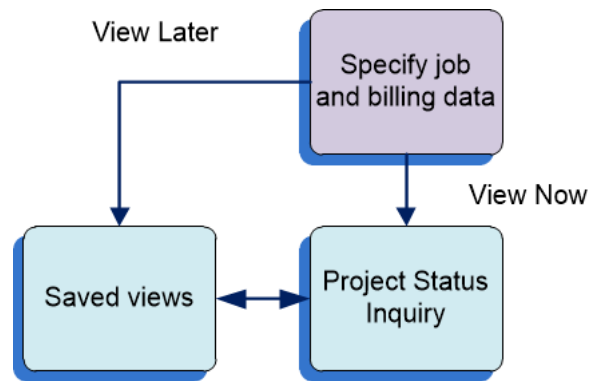
You use the Work with Project Status Inquiry program (P51X0200) to specify the parameters to use to select the records that you want to view. You set options on the Display tab and specify column names on the Columns 1–20 and Columns 21–40 tabs. After you specify the selection parameters, you can preview the job records that the process includes in your data selection. You then process your selections so that the system includes the job and billing records according to the parameters that you set, including calculated values that are based on the parameters that you specify. After you process the records, you can view the results in the Project Status Inquiry form. You can process the data so that you can view it automatically after the system finishes processing, or you can process it so that the system creates a saved set of records that you can view at your convenience.

When you use the Work with Project Status Inquiry (P51X0200) program to select the data, you select column layouts or definitions, set date criteria, specify summarization and sequencing criteria, and then process the data selection. The system generates records in the Project Status Inquiry Worktable (F51X10) and launches the Project Status Inquiry program (P51X0210). You view the processed data in the Project Status Inquiry program.

You can set options on the Display, Columns 1–20, and Columns 21–40 tabs whether you want to view the records immediately after the system completes processing or whether you want to view the records at a later time. After you set data selection, click the View Now button to have the system open the Project Status Inquiry form immediately after it finishes processing the records, or click the View Later button to have the system complete the processing and save the records without opening the processed records. If you have the system save the records, you select the saved results in the Project Status Inquiry View program to open the Project Status Inquiry program and view them in that program.

This image illustrates the process of specifying job and billing data to view in the Project Status Inquiry form.





## Display Tab

The options on the Display tab enable you to specify the parameters that the system uses to select data to include and how to display data on the Project Status Inquiry form. For example, you can specify a specific job or project and the period for which you want to view data. You can also specify how to summarize and sequence the data, as if currency options, and other criteria.

Use these options on the Work with Project Status Inquiry form to set parameters for how the system retrieves and calculates job, account, and billing records:

- Job number.
- Project number.
- Company.
- Subledger and subledger type.  
See *Subledgers*.
- Column layout.  
See *Defining Column Layouts* and *Columns 1–20 and Columns 21–40 Tabs*.
- Account range.  
See *Account Ranges*.
- Date options, including from and through dates for periods and years.  
See *Dates and Periods*.
- G/L posted code.  
See *G/L Posted Code*.
- Summarization by a selected parameter.  
The system applies the summarization parameter to the records that it selects from the F0006 and F0901 tables and generates additional records for the summarization totals.  
See *Summarization*.
- Cost code sequencing by a selected value.  
See *Cost Sequences*.
- Level of detail totaling.

The system calculates totals by level of details according to the cost sequence that you specify in the Sequence by field. You can view the job records by the levels of detail in the Project Status Inquiry form. The system applies the level of detail totaling for only columns that are set up with the Sum totaling method.

See *Cost Sequences*.

See Also *Understanding Totaling Methods*.

- Currency information.

See *As If Currency Processing*.

## Subledgers

The Subledger and Subledger Type fields in the Work with Project Status Inquiry form work in conjunction with each other. This table lists the display results for the allowed combination of values for these fields:

Subledger Value	Subledger Type Value	Display Result
*	Blank	The program does not use the subledger or subledger type to determine which records to display. These values are the default values.
Blank	Blank	The program selects for display only the records that have blank values for the Subledger and Subledger Type fields.
*	Specified value	The program selects for display only the records that have the specified value in the Subledger Type field.
Specified value	Specified value	The program selects for display only the records that have the specified values in both the Subledger and Subledger Type fields.

## Account Ranges

You can specify an account range name to restrict the account range that the system displays in the Project Status Inquiry form. You set up account range names in the Project Status Inquiry Account Ranges program (P51X100). When you set up account range names, you also specify whether the system sequences the accounts by cost type and then cost code, or by cost code and then cost type. If you specify an account range name, then you must select the same sequencing option in the Sequence by field on the Work with Project Status Inquiry form as you selected when you set up the account range. If the sequence option is not the same, the system issues an error message and does not process records to view.

## Dates and Periods

You can specify how the system selects records by date. For all of the date options, if you do not specify the through period and year, the system uses the current period and year of the company. If the job extends over multiple companies, then the system uses the current period and year of the first company that the system locates.

You can specify one of these options:

- Inception to Date

Select the Inception to Date option to view job or project accounts through the period and year or date that you specify. When you select this option, the system includes the balance forward amount from the previous year.

Select the Period/Date check box to use full periods for the thru date. When you select the Period/Date check box, you can specify the ending period and year in the Thru Period, and Thru Fiscal Year fields. The system retrieves balances for the period and year that you specify, and then accumulates period balances for period 1 through the period and year that you specify, and adds the balance forward amount from the previous year.

Clear the Period/Date check box to use a specific date. When you clear the check box, you can specify the ending date in the Thru Date field. The system retrieves balances for the date that you specify, and then accumulates the amounts from the beginning balances and prior year-end net posting fields through the date that you specify. The specific date applies to only the AA and AU ledgers. All other ledger amounts are retrieved for the full period.

The Inception to Date option is the default option.

- Year to Date

Select the Year to Date option to view job or project accounts through the period and year or date that you specify.

Select the Period/Date check box to use full periods for the thru date. When you select the Period/Date check box, you can specify the ending period and year in the Thru Period and Fiscal Year fields. The system retrieves balances for the period and fiscal year that you specify, and then accumulates period balances for period 1 through the thru period and year that you specify.

Clear the Period/Date check box to use a specific date. When you clear the check box, you can specify the ending date in the Thru Date field. The system retrieves balances for the date that you specify, and then accumulates period balances for period 1 through the date that you specify. The specific date applies to only the AA and AU ledgers. All other ledger amounts are retrieved for the full period.

- Period

Select the Period option to view records for the date range that you specify. You can use this option to specify a time period that extends over multiple years.

Select the Period/Date check box to use full periods for the beginning and ending dates. When you select the Period/Date check box, you can specify the beginning and ending periods and years by completing the From Period, From Fiscal Year, Thru Period and Thru Fiscal Year fields. The system retrieves balances from the beginning period and year that you specify through the ending period and year that you specify.

Clear the Period/Date check box to use specific dates. When you clear the Period/Date check box, you can complete the From Date and Thru Date fields. The system retrieves balances beginning with the date in the From Date field through the date in the Thru Date field. The specific date applies to only the AA and AU ledgers. All other ledger amounts are retrieved for the full period.

**Note:** For accounts in ledger types AA (actual amounts) and AU (actual units) only, the system uses the value in the G/L Posted Code field along with the values in the date fields to determine which records to include in the data selection. See *G/L Posted Code*.

## G/L Posted Code

You can specify whether to view posted, unposted, or all records for the AA and AU ledger type records. If you select **All**, then the system adds the amounts for the posted and unposted records.

The values that you select for dates affect how the system retrieves amounts when you select an option in the G/L Posted Code field. The system retrieves values from the F0911 table only when the amounts for the date range are not in the F0902 table, such as a date range for a partial period.

## Summarization

You use the options in the Summarize by list to specify how the system calculates totals for your selected job records. The options do not affect the display of records in the grid on the Work with Project Status Inquiry form. Instead, they affect how the system displays records, including the calculated totals, on the Project Status Inquiry form. You can specify an option on the Work with Project Status Inquiry form to determine the initial display of records on the Project Status Inquiry form, and then change it as necessary after you access the Project Status Inquiry form. If you change the summarization option on the Project Status Inquiry form, the system refreshes the display to show columns in the new summary order.

You can summarize jobs by these options:

Job Option	Description
Job	When you summarize by job, the Project Status Inquiry form displays a list of jobs in sequential order in the Summary subform. If you select a job in the Summary subform, the Project Status Inquiry form displays in the Account Details subform the accounts associated with the selected job.
Project	When you summarize by project, the Project Status Inquiry form displays the projects sorted in sequential order in the Summary subform, and sorts the jobs within the project in sequential order. If you select a project-level line in the Summary subform, the Project Status Inquiry form displays in the Account Details subform the accounts associated with the selected project. If you select a job-level line, the Project Status Inquiry form displays in the Account Details subform the accounts associated with the job.
Company	When you summarize by company, the Project Status Inquiry form sorts and displays in the Summary subform the jobs sorted by the company number. If you select a company in the Summary subform, the Project Status Inquiry form displays in the Account Details subform the accounts associated with the selected company.
Job Category Code	When you summarize by a job category code, you must also specify the category code to use. You can specify any one of the job category codes that you associated with the job in the Job Master Revisions program. The Project Status Inquiry form displays in the Summary subform the category code values and the jobs associated with the category code value. If you select a line in the Summary subform, the Project Status Inquiry form displays in the Account Details subform summarizations of the accounts associated with the category code value.
Supervisor	When you summarize by supervisor, the system groups the jobs by the supervisor assigned to the job and displays the jobs in the Summary subform. If you select a job in the Summary subform, the Project Status Inquiry form displays in the Accounts Details subform the account details associated with the job assigned to the supervisor.
Owner Address	When you summarize by the job owner, the system groups the jobs by the owner's address book number that you associated with the job on the More Detail tab in the Job Master Revisions program (P51006) and displays the jobs in the Summary subform. If you select a job in the Summary subform,

Job Option	Description
	the Project Status Inquiry form displays in the Accounts Detail subform the accounts associated with the selected job.
Address Number 1-5	When you summarize by an address book number, the system groups the jobs by the address book number that is associated with the job on the Cat Codes 41-50 / AB No tab in the Job Master Revisions program and displays the jobs in the Summary subform. If you select a job in the Summary subform, the Project Status Inquiry form displays in the Accounts Detail subform the accounts associated with the selected job.
State	When you summarize by state, the system groups the jobs by the state that you associated with the job and displays the jobs in the Summary subform. If you select a job in the Summary subform, the Project Status Inquiry form displays in the Account Details subform the accounts associated with the selected job.
Contract Type	When you summarize by contract type, the system groups the jobs by the contract type that you associated with the job and displays the jobs in the Summary subform. If you select a job in the Summary subform, the Project Status Inquiry form displays in the Account Details subform the accounts associated with the selected job.
Account Category Codes	When you summarize by an account category code, you must also specify the category code to use. You can specify any one of the account category codes that you associated with the account. The Project Status Inquiry form displays in the Summary subform the category code values and the jobs associated with the category code value. If you select a line in the Summary subform, the Project Status Inquiry form displays in the Account Details subform summarizations of the accounts associated with the category code value.
Alternate Cost Code	In the JD Edwards EnterpriseOne Job Cost system, you can set up alternative codes by which to view costs. Select the Alternate Cost Code list item to view records summarized by the alternate cost code that you set up in the JD Edwards EnterpriseOne Job Cost system.

## Cost Sequences

When you set up the cost structure for jobs and projects, you set up cost codes and cost types as tasks in a work breakdown structure (WBS) for a job. The cost code identifies a specific task within a job. The cost code is equivalent to the subsidiary account that you use for most general ledger accounts. The cost type identifies specific costs within the activity, such as labor or materials. The cost type is equivalent to the object account that you use for most general ledger accounts. Note that the cost structure for jobs reverses the relationship of the subordinate accounts from the relationship present in most general ledger accounts.

See *"Components of the Cost Code Structure" in the JD Edwards EnterpriseOne Applications Job Cost Implementation Guide* .

You use the Sequence by option to specify how to sequence the data in the Project Status Inquiry form. You can sequence records by the cost code and then the cost type, or by the cost type and then the cost code. The value that you specify for the account sequencing also controls how the system totals the accounts by level of detail in the Project Status Inquiry form.

**Note:** If you specify an account range in the Account Range Name field, you must select in the Sequence by field the same cost structure that you assigned to the account range. For example, if you set up the account range to use the Cost Type/Cost Code sequence, you must select the **Cost Type/Cost Code** list item in the Sequence by field.

## As If Currency Processing

When you set up column definitions, you can specify whether to enable the display of the data in an as if currency when you generate the records to view. You can enable the as if currency processing for these column types:

- Non-JA Budget Amount Ledgers
- Billing Amount

Only certain billing amount options enable you to use as if currency processing. For example, you cannot enable as if currency processing for billing amounts for units.

- Formula
- Ledger Type

Though you can select the As If Currency Enabled check box for any ledger type, the system does not apply as if currency processing to ledgers set up as unit ledgers.

On the Work with Project Status Inquiry form, you specify the as if currency code and the currency exchange rate date. When you generate the records to view, the system applies the exchange rate for the currency code and displays amounts for the enabled columns in the Project Status Inquiry form in the as if currency.

You can convert the threshold amounts in visual alert columns to an as if currency by specifying the as if currency in the Threshold Currency Code field on the Project Status Inquiry Column Definitions form. See [Setting Up Columns with Visual Alerts](#).

**Note:** To use multicurrency processing, you must enable multicurrency processing in the General Ledger constants for your JD Edwards EnterpriseOne system.

## Columns 1–20 and Columns 21–40 Tabs

When you access the Work with Project Status Inquiry form, the system populates the Column fields on the Columns 1–20 and Columns 21–40 tabs with the column names that are associated with your default column layout. For example, if you specify *AB* in the Column Layout processing option and the column layout that is named *AB* includes 15 column names, the name *AB* appears in the Column Layout field on the Display tab, and the names of the 15 columns appear on the Columns 1–20 tab in the order and in the column fields (Column 01–Column 40) that you used when you set up the column layout. If you did not specify a default column layout in the processing option, then no column names appear on the Columns 1–20 and Columns 21–40 tabs and you must either:

- Enter a column layout name in the Column Layout field.
- Select at least one column name on the Columns 1–20 or Columns 21–40 tabs.

You can add additional column names or delete the default column names that appear on the Columns 1–20 and Columns 21–40 tabs to control the data to include on the Project Status Inquiry form. You must include at least one column name on the Columns 1–20 or Columns 21–40 tabs before you process your record selection. If you do not include at least one column name, then the system displays an error message.

You can select a column layout other than the default column layout that you specify in the Column Layout processing option. Settings in other processing options determine whether you can use a column layout that includes billing amount columns, and whether you can save changes that you make to the column layout.

## Column Information Hover Forms

As you select columns on the Columns 1–20 and Columns 21–40 tabs, you can view information about the columns by clicking on the small orange square that appears in the upper left corner of the Column fields. When you click on the square, the system opens a column information hover form that includes information such as the column type, the totaling method, whether as if currency is enabled for the column, and other factors. The form automatically closes when you move your mouse away from the form.

You can access the column information hover forms in the Project Status Inquiry Column Layout, Work with Project Status Inquiry, and Project Status Inquiry programs.

The column information that the system displays on the form differs based on the column type. For all column types, the system displays the values for the Column Heading, Column Name, and Column Type fields. You can view the values for these additional fields, depending on the column type:

- Non-JA Budget Amount Ledgers and Non-JA Budget Unit Ledgers columns.
  - Budget Flag
  - Totaling Method
  - As If Currency
- Billing Amount column
  - Billing Amount
  - Budget Flag
  - Totaling Method
  - As If Currency
- Formula column
  - Names of the columns used in the segments and the operators, including the segments and operators for other included formulas.  
For example, the system might show this formula in the column information hover form: (AA/AU)\*55. In this example the column names and operator within the parentheses is the formula column included within another formula.  
You can click the With Column Headings tab to view the formula with the column headings instead of the column names.
  - As If Currency
- Ledger Type column
  - Ledger Type
  - Budget Flag
  - Totaling Method
  - As If Currency
- Percent column
  - Totaling Method
  - As If Currency

- Visual Alert column
  - Alert Basis Column (column name and column heading)
  - Alert Operator
  - Threshold Currency Code
  - Level 1 Threshold, Level 2 Threshold, and Level 3 Threshold

## Billing Amount Columns

The system allows you to select columns for billing amounts only when the Display Contract/Service Billing Columns processing option is set to enable you to view columns with billing amounts. If the version of the Work with Project Status Inquiry program that you use does not enable billing columns, the system displays an error message if you select a column layout or column name that includes billing data. Clear the fields on the Columns 1–20 and Columns 21–40 tabs that indicate an error to continue the process.

## Check Boxes for Chart Control

The Columns 1–20 and Columns 21–40 tabs include check boxes next to the fields for column names. If you selected check boxes when you set up the columns, the system checks the boxes on the Columns 1–20 and Columns 21–40 tabs for your selected columns. You can select or clear check boxes on the Columns 1–20 and Columns 21–40 tabs.

The system uses the check boxes to determine which columns to include in the Chart section on the Project Status Inquiry form. Select the check box for each column that you want to include on the Display tab in the Chart section. You can change your selections on the Selection tab in the Chart section. The system does not enable the check boxes for visual alert columns.

## Saving Changes to Column Layouts

If the Restrict Column Layout processing option is set to enable changes, you can save new or modified column layouts from the Work with Project Status Inquiry form. If the processing option is set to restrict changes, then you must use the Project Status Inquiry Column Layout program (P51X91) to change column layouts.

Note that saving column layouts in the Work with Project Status Inquiry form does not save the display options, such as the Summarize by value that you specify on the Work with Project Status Inquiry form.

See *Saving a Column Layout in the Work with Project Status Inquiry Program* and *Defining a Column Layout*.

## Grid

After you set the options on the Work with Project Status Inquiry form, you can preview the records. When you click the Preview button, the system runs validations, such as validating that the date pattern is the same for all companies if your dataset includes multiple companies, and then displays the preview results in the grid on the Work with Project Status Inquiry form. Previewing records on the Work with Project Status Inquiry form is optional.

## QBE Line and Query Management

You can use the query-by-example (QBE) line to define or refine the data to include in your data selection. For example, if your preview includes multiple companies and you want to include the data for one company only, you can enter the company number in the QBE line and display only the records for the specified company. When you click the View button, the system includes only the records for the specified company in the data that you can view in the Project



Status Inquiry form. You can enter values in the QBE line before you first click Preview to limit the data that the program displays in the grid.

You can use the Query Management function to save search criteria for the grid. If you save an enhanced query, you can populate the grid with data that meets the query data. For example, if you create and save an enhanced query that includes a company number and specify to use that query as a default value, then the Work with Project Status Inquiry form initializes with the data for the specified company number when you click the Preview button.

See "[Queries](#)" in the *JD Edwards EnterpriseOne Tools Using and Approving User Defined Objects Guide* .

## Real-Time Views and Saved Views

After you specify the parameters for viewing job and billing information, you can generate the results and view them in real-time or you can save the results to view at a later time. You can save results to view later only when the Allow View Later Processing processing option is set to enable saving.

Click the View Now button to open the Project Status Inquiry program immediately after the process generates the results. When you use the View Now button, the system does not save the generated results when you exit the Project Status Inquiry form unless you specifically save the results.

Click the View Later button to generate results and save them to view later. When you click the View Later button, the system displays the Enter View Description form. You must enter a description. You can enter up to 120 characters. When you click OK in the Enter View Description form, the View Later Status dialog box displays, with a message indicating whether the View Later process was successful or ended in an error or errors. If the View Later process was successful, you can click the link in the message to access the saved records in the Project Status Inquiry View program (P51X0310). If the View Later process ended in an error or errors, you can click the link in the message to access the Work Center to view the errors.

Whether you save the results from the Project Status Inquiry program or by clicking the View Later button, you access the saved records using the Project Status Inquiry View program (P51X0310).

See [Working With Saved Results \(Release 9.2 Update\)](#).

## Specifying Job and Billing Data to View

This section lists prerequisites and discusses how to:

- Set processing options for Work with Project Status Inquiry (P51X0200).
- Specify job and billing data to view.
- Save a column layout in the Work with Project Status Inquiry program.

## Prerequisites

Before you perform the tasks in this section:

- Set up column definitions in the Project Status Inquiry Column Definition program (P51X90).  
See [Setting Up Columns, Formulas, and Visual Alerts \(Release 9.2 Update\)](#).
- Optionally, set up column layouts in the Project Status Inquiry Column Layouts program (P51X91).

See *Defining Column Layouts*.

- Optionally, set up account ranges.

See *Setting Up Account Ranges*.

- Verify that the next numbering scheme for view IDs is set up on line 1 for system 51X in the Next Numbers program (P0002).

See *Setting Up Next Numbers*.

- Run the processes to update your job records so that you have up-to-date job information.

See *"Tracking Job Progress"* and *"Recognizing Profit"* in the *JD Edwards EnterpriseOne Applications Job Cost Implementation Guide* .

- Generate the billing workfile so that you have up-to-date billing records.

See *"Managing the Workfile" in the JD Edwards EnterpriseOne Applications Contract and Service Billing Implementation Guide* .

## Setting Processing Options for Work with Project Status Inquiry (P51X0200)

Processing options enable you to specify default values.

**Note:** The processing options for the Work with Project Status Inquiry program include options that you set to affect the display of records in the Project Status Inquiry program (P51X0210). For example, in the Work with Project Status Inquiry program processing options, you specify whether to display or suppress header accounts, accounts with zero balances, and job totals on the Project Status Inquiry form.

### Defaults

#### 1. Column Layout

Specify the default column layout to display in the Work with Project Status Inquiry form. You set up column layouts in the Project Status Inquiry Column Layout program (P51X91). You can change the column layout on the Work with Project Status Inquiry form if the Restrict Column Layout processing option is set to enable a change.

If you do not specify a column layout in this processing option, then you must specify at least one column name on the Columns 1–20 or Columns 21–40 tab.

#### 2. Restrict Column Layout

Specify whether you can create a new column layout or save changes to an existing column layout in the Work with Project Status Inquiry form. The system saves the changes to the Column Layout table (F51X91).

Blank: Restrict changes and additions to Column Layout. If you leave this processing option blank, then you cannot save changes or create a new column layout.

**1:** Allow changes and additions to Column Layout. If you enter **1** in this processing option, then you can create a new version or save changes that you make to an existing version.

#### 3. Suppress Accounts with Zero Balances

Specify whether to initialize the Project Status Inquiry form showing accounts with zero balances. You can select or clear the Suppress Zero Accounts check box on the Project Status Inquiry form to override the value that you enter in this processing option.

Values are:

Blank: Display accounts. The Project Status Inquiry form shows accounts with zero balances and does not select the Suppress Zero Accounts check box.

**1:** Suppress accounts. The Project Status Inquiry form suppresses accounts with zero balances and selects the Suppress Zero Accounts check box.

#### **4. Suppress Header Accounts**

Specify whether to initialize the Project Status Inquiry form showing header accounts. You can select or clear the Suppress Header Accounts check box on the Project Status Inquiry form to override the value that you enter in this processing option.

Values are:

Blank: Always display header accounts. The Project Status Inquiry form displays the non-posting header accounts with zero balances and does not select the Suppress Header Accounts check box.

**1:** Suppress header accounts with zero balances. The Project Status Inquiry form does not display the non-posting header accounts with zero balances and selects the Suppress Header Accounts check box.

#### **5. Display Cost Code Description**

Specify whether to initialize the Project Status Inquiry form showing cost code descriptions. You can select or clear the Display Cost Code Description check box on the Project Status Inquiry form to override the value that you enter in this processing option.

Values are:

Blank: Do not show description. The Project Status Inquiry form does not display cost code descriptions and does not select the Display Cost Code Description check box.

**1:** Show description. The Project Status Inquiry form shows the cost code descriptions in the Account Details subform and selects the Display Cost Code Description check box.

#### **6. Show Job Totals**

Specify whether to initialize the Project Status Inquiry form showing job totals in the Summary subform. Note that the grid in the Summary subform is also referred to as the top grid. You can select or clear the Show Job Totals check box on the Project Status Inquiry form to override the value that you enter in this processing option.

Values are:

Blank: Do not show job totals in top grid. The Project Status Inquiry form does not display job totals in the Summary subform and does not select the Show Job Totals check box.

**1:** Show job totals in top grid. The Project Status Inquiry form shows job totals in the Summary subform and selects the Show Job Totals check box.

#### **7. As If Currency Code**

Specify the currency code that the system uses to generate records in an as if currency. The value that you enter must exist in the Currency Codes table (F0013). You complete this field only if you want to use as if currency. You can change the currency code on the Work with Project Status Inquiry form. The system generates as if currency records for only the columns for which as if currency is enabled.

#### **8. As If Exchange Rate Date**

Specify the exchange rate date to use for as if currency processing. If you do not complete this field, then the system uses the current date. You can change the date on the Work with Project Status Inquiry form. The base currency and the as if currency must be set up in the Currency Exchange Rates table (F0015).

### 9. Account Range Name

Specify the name of the account range for which you generate records to view. You set up account range names in the Project Status Inquiry Account Ranges program (P51X100). If you do not specify an account range name, then the system generates records for all accounts. You can change the account range name on the Work with Project Status Inquiry form.

When you set up account range names in the Project Status Inquiry Account Ranges program, you specify whether to sequence by the cost type and then the cost code, or by the cost code and then the cost type. The sequence order that you specify in the Sequence by field on the Work with Project Status Inquiry form must be the same as the named account range or the system will issue an error message.

## Process

### 1. Display Contract/Service Billing Columns

Specify whether to enable users to include columns for contract billing and the values associated with the billing columns.

Blank: Do Not Display. The system does not enable users to select columns associated with billing amounts in the Work with Project Status Inquiry program. If the user selects a column layout that includes a billing amount column, then the system requires that the user clear the billing column names from the Columns 1–20 and Columns 21–40 tabs before continuing.

1: Allow Display. The system does not place restrictions on the use or selection of columns associated with billing amounts.

### 2. Expand Chart Control Upon Entry

Specify whether to initialize the Project Status Inquiry program with the Chart subform expanded. On the Chart subform, you can view a bar graph of your data.

Values are:

Blank: Do Not Expand Chart. The system launches the Project Status Inquiry form without expanding the Chart subform.

1: Expand Chart. The system launches the Project Status Inquiry form with the Chart subform expanded.

### 3. Allow View Later Processing

Specify whether to allow users to generate records to view at a later time or to save generated records. If you allow view later processing, the Work with Project Status Inquiry form includes a View Later button and the Project Status Inquiry form includes a Save Results option. If you do not allow view later processing, you cannot save records to view later.

Values are:

Blank: Do not allow view later processing.

1: Allow view later processing.

### 4. Work with Project Status Inquiry View (P51X0310)

Specify the version of the Work With Project Status Inquiry View program (P51X0310) to call when you access the program from the Work with Project Status Inquiry form. If you leave this processing option blank, the system uses version ZJDE0001.

## Account Ledger Inquiry

### 1. Account Ledger Inquiry Version (P09200)

Specify the version of the Account Ledger Inquiry program to use when you select a record in the Account Details subform and then select Account Ledger from the More Row Exits list in the Account Details subform. If you leave this processing option blank, the system uses version ZJDE0001.

### 2. Default Account Ledger Inquiry Types

Ledger Type 1: Specify the default ledger type to assign to the corresponding field when you access the Account Ledger Inquiry program (P09200). If you leave this option blank, the system assigns ledger type AA.

Ledger Type 2: Specify the value for ledger type 2 to assign to the corresponding field when you access the Account Ledger Inquiry program (P09200). Ledger type 2 is valid only when ledger type 1 has a value of AA, CA, XA, YA, or ZA. Valid values for ledger type 2 are:

AA

CA

XA

YQ

ZA

## Job Versions

### 1. Account Progress Entry (P510211)

Specify the version of the Account Progress Entry program to use when you select a record in the Account Details subform and then select Account from the More Row Exits list in the Account Details subform. If you leave this processing option blank, the system uses version ZJDE0001.

### 2. Job Progress Entry (P510212)

Specify the version of the Job Progress Entry program to use when you select a record in the Summary subform and then select Job from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

### 3. Performance Based Labor Progress Entry (P510312)

Specify the version of the Performance Based Labor Progress Entry program to use when you select a record in the Account Details subform and then select Performance Labor from the More Row Exits list in the Account Details subform. If you leave this processing option blank, the system uses version ZJDE0001.

### 4. Original Budget (P510121)

Specify the version of the Original Budget program to use when you select a record in the Summary subform and then select Budgets, then Budget Original, from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

### 5. Budget Revisions (P510171)

Specify the version of the Budget Revisions program to use when you select a record in the Summary subform and then select Budgets, then Budget Revisions from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

### 6. Scheduling Workbench (P48201)

Specify the version of the Scheduling Workbench program to use when you select a record in the Summary subform and then select Work Orders, then WO Sch Workbench from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

### 7. Work w/ Contract Detail (P4310)

Specify the version of the Work w/ Contract Detail program to use when you select a record in the Summary subform and then select Subcontracts from the Row menu. If you leave this processing option blank, the system uses version ZJDE0015.

#### **8. Commitment Inquiry (P40230A)**

Specify the version of the Commitment Inquiry program to use when you select a record in the Account Details subform and then select Commitment Inquiry from the More Row Exits list. If you leave this processing option blank, the system uses version ZJDE0001.

#### **9. Work with Change Requests (P5310)**

Specify the version of the Change Management program to use when you select a record in the Summary subform and then select Change Management from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

#### **10. Work with Account Change Request Inquiry (P53220)**

Specify the version of the Work with Account Change Request Inquiry program to use when you select a record in the Account Details subform and then select Account Inquiry from the More Row Exits list. If you leave this processing option blank, the system uses version ZJDE0001.

#### **11. Work Order Cost by Job (P48210)**

Specify the version of the Work Order Cost by Job program to use when you select a record in the Summary subform and then select Work Orders, WO Cost by Job from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

#### **12. Parent Work Order Inquiry (P48220)**

Specify the version of the Parent WO Inquiry program to use when you select Parent WO Inquiry from the Form menu. If you leave this processing option blank, the system uses version ZJDE0001.

#### **13. Work with Time Entry (P051121)**

Specify the version of the Work with Time Entry program to use when you select Payroll/HRM, then TE by Employee from the Form menu. If you leave this processing option blank, the system uses version ZJDE0001.

#### **14. Work with Profit Recognition (P5144)**

Specify the version of the Profit Recognition program to use when you select a record in the Summary subform and then select Profit Recognition from the Row menu. If you leave this processing option blank, the system uses version ZJDE0001.

## Contract Versions

#### **1. Billing Workfile Revisions (P4812)**

Specify the version of the Billing Workfile Revisions program to use when you select Cont/Srvc Billing, then Billing Revisions from the Form menu. If you leave this processing option blank, the system uses version ZJDE0001.

#### **2. Billing Detail History (P4812H)**

Specify the version of the Billing Detail History program to use when you select Cont/Srvc Billing, then Billing Detail Hist from the Form menu. If you leave this processing option blank, the system uses version ZJDE0001.

## Specifying Job and Billing Data to View

To specify job and billing data to view:

1. Access the Work with Project Status Inquiry form.

Form Name	Form ID	Navigation
Work with Project Status Inquiry	W51X0200A	Use one of these navigations: <ul style="list-style-type: none"><li>○ Project Status Inquiry (G5114).</li><li>○ Project Status Inquiry (P51X0200).</li><li>○ Project Status Inquiry (G5114).</li><li>○ Project Status Inquiry View (P51X0310).</li></ul> Select the record to view.

2. On the Work with Project Status Inquiry form, complete these fields on the Display tab:

**Job**

Specify the job number for which you process records. Alternatively, you can specify a job in the QBE line or in an enhanced query. If you do not specify a job, the system includes all jobs in the data selection.

**Project**

Specify the project number for which you process records. Alternatively, you can specify a project in the QBE line or in an enhanced query. If you do not specify a project, the system includes all projects in the data selection.

**Company**

Specify the company for which you process records. Alternatively, you can specify a company in the QBE line or in an enhanced query. If you do not specify a company, the system includes all companies in the data selection.

**Subledger**

Specify the subledger to use for data selection. If you do not specify a subledger, the system includes all subledgers in the data selection.

**Subledger Type**

Specify the subledger type to use for data selection. If you do not specify a subledger type, the system includes all subledger types in the data selection.

**Column Layout**

Verify that the column layout that you want to use appears in the Column Layout field.

You can specify a default column layout in the Column Layout processing option. If you complete the Column Layout field, the system includes the column names that are associated with the column layout on the Columns 1–20 and Columns 21–40 tabs.

Completing the Column Layout field is optional. If you do not complete this field, you must enter at least one column name on the Columns 1–20 or Columns 21–40 tabs.

**Account Range Name**

Select an account range name to limit the display of records to the account range specified in the range. You set up account range names in the Project Status Inquiry Account Ranges program (P51X100).

3. Select one of these date options:

**Inception to Date**

Select this option to view job or project accounts through the period and year or date that you specify. When you select this option, the system includes the balance forward amount from the previous year.

**Year to Date**

Select this option to view job or project accounts through the period and year or date that you specify.

**Period**

Select the Period option to view records for the date range that you specify.

4. Select the Period/Date check box to enable the Thru Period and Thru Fiscal Year fields in which you enter the thru period and thru fiscal year for the Inception to Date and Year to Date options, or to enable the From Period, From Fiscal Year, Thru Period, and Thru Fiscal year fields for the Period option. Clear the Period/Date check box to enable the Thru Date field for the Inception to Date and Year to Date options, and enable the From Date and Thru Date fields for the Period option. The dates in the from date and thru date fields apply to only the AA and AU ledgers. All other ledger amounts are retrieved for the period of the specified date.

See *Dates and Periods*.



5. Select a value from the G/L Posted Code field to specify the account records to retrieve for the AA and AU ledgers. The values that you specify for the date options also affect how the system retrieves account values.

See *G/L Posted Code*.

Values are:

**Posted**

**Unposted**

**All**

6. Select a value from the Summarize by list. You must select an option.

You can summarize and re-summarize on the Project Status Inquiry form using the same values as those listed here.

Values are:

- o **Job**
- o **Project**
- o **Company**
- o **Job Category Code**

When you select this value, the system displays the Category Code list from which you select the specific job category code to use for summarization.

- o **Supervisor**
- o **Owner Address**
- o **Address Number 1**
- o **Address Number 2**
- o **Address Number 3**
- o **Address Number 4**
- o **Address Number 5**
- o **State**
- o **Contract type**
- o **Account Category Code**

When you select this value, the system displays the Category Code list from which you select the specific account category code to use for summarization.

- o **Alternate Cost Code**

See *Summarization*.

7. Select a value from the Sequence by list. You must select an option. Values are:

- o **Cost Code/Cost Type**
- o **Cost Type/Cost Code**

See *Cost Sequences*.

8. In the As If Currency Code field, enter the currency code to use when generating records in as if currency. This field is optional.

The system processes account records in as if currency for only the columns that are set up to enable as if currency processing. The currency code that you enter must exist in the Currency Codes table (F0013).

9. In the As If Exchange Rate Date field, enter the currency exchange rate date to use for as if currency processing. If you complete the As If Currency Code field and use columns for which as if currency processing is enabled, the system uses the current date if you do not complete this field.
10. Select or clear the Level of Detail Totaling check box to control whether the process writes the rolled-up totals for accounts to the higher-level accounts for non-posting accounts.
11. Access the Columns 1–20 and Columns 21–40 tabs to add or delete column names and specify the columns to include in the Chart subform of the Project Status Inquiry form. If you do not specify a value in the Column Layout field on the Display tab, then you must select at least one column on the Columns 1–20 or Columns 21–40 tab.

You can view the details for the columns by clicking on the orange square in the upper left corner of the column fields. See [Column Information Hover Forms](#).

12. (Optional) Select the check box to the right of a column name to have the column appear in the chart on the Display tab of the Chart subform. If you selected the check boxes when you set up the column layout that you use, then the system checks the box for you. You cannot select the check box for visual alert columns.

You can also select and clear the check boxes on the Selection tab of the Chart subform on the Project Status Inquiry form.

13. Optionally, on the Display tab, click the Preview button to view the selected jobs in the Work with Project Status Inquiry form. You can review data in the grid to determine if it meets your needs. Previewing records is optional. You can change the settings and click Preview as many times as necessary. After you preview records, you must click either the View Now or View Later button to continue.
14. On the Display tab, do one of the following:
  - o Click the View Now button to process records and display the results in the Project Status Inquiry form.
  - o Click the View Later button to process records and save the results for later viewing.

You can use this option only when the Allow View Later Processing processing option allows you to save results.

The system displays the Enter View Description form in which you enter up to 120 characters in the Description field. You must complete the Description field. When you click OK, the system displays the View Later Status dialog box. In the View Later Status dialog box, a message is displayed, indicating whether the View Later process was successful or ended in errors. If the View Later process is successful, click the link in the message to access the Project Status Inquiry View program (P51X0310). If the View Later process ended in errors, click the link in the message to access the Work Center to view the errors.

See [Viewing Job and Billing Data \(Release 9.2 Update\)](#) and [Working With Saved Results \(Release 9.2 Update\)](#).

## Saving a Column Layout in the Work with Project Status Inquiry Program

To save a column layout in the Work with Project Status Inquiry program:

1. Access the Work with Project Status Inquiry form.

Form Name	Form ID	Navigation
Work with Project Status Inquiry	W51X0200A	Project Status Inquiry (G5114).  Project Status Inquiry (P51X0200).

2. On the Work with Project Status Inquiry form, select the Columns 1–20 or Columns 21–40 tab.
3. On the Columns 1–20 or Columns 21–40 tab, enter the column names that you want to include in the column layout.

You can also enter an existing column layout in the Column Layout field on the Display tab to populate the Column Name fields on the Columns 1–20 or Columns 21–40 tabs.

4. Select Save Column Layout from the Form menu.
5. On the Save Column Layout form, enter a name in the Column Layout field.

You can retain the original name if you are modifying an existing layout.

6. Optionally, enter additional text in the Description field.

If you are modifying an existing layout, the Description field shows the existing description. You can change, delete, or retain the text.

7. Click OK.



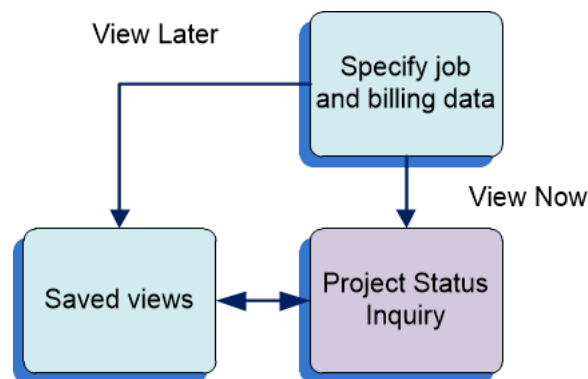
# 16 Viewing Job and Billing Data (Release 9.2 Update)

## Understanding the Project Status Inquiry Program

After you specify the job and billing data that you want to view, you can process the data to view immediately or to view later. To view data immediately, you click the View Now button on the Work with Project Status Inquiry form. The system populates the Project Status Inquiry Worktable (F51X10) and opens the Project Status Inquiry form of the Project Status Inquiry program (P51X0210).

If you chose to save your results to view later, the system populates the F51X10 table with the job and project data, and creates a record in the Project Status Inquiry Results Header table (F51X30). You access the saved results using the information in the header record to identify the results that you want, and then view the results in the Project Status Inquiry form. You must set the Allow View Later Processing processing option in the Work with Project Status Inquiry program (P51X0200) to enable view later processing before you can save job and billing data results.

This image illustrates that you can view results now, or save results to view later in the Project Status Inquiry form:



You use the Project Status Inquiry form to sort, summarize, and view job and financial information. You can specify display options, and view your generated data in a chart or grid format. Note that you cannot access the Project Status Inquiry program or form from a menu option or from the Fast Path. You can access it from the Work with Project Status Inquiry program (P51X0200) or the Work with Project Status Inquiry View program (P51X0310) only.

**Note:** When you process records to view in the Project Status Inquiry form, the system includes job data from the Business Unit Master table (F0006) and includes cost and billing data for the columns that you specified in the column layout or on the Columns 1–20 and Columns 21–40 tabs on the Work with Project Status Inquiry form. In this chapter, the term *job columns* refers to the columns in which the Project Status Inquiry form displays data from the F0006 table. The term *user-defined columns* refers to the columns that you set up in the Project Status Inquiry Column Definitions program (P51X90) and specified in the Work with Project Status Inquiry form.

The Project Status Inquiry form includes these four subforms:

- Options
- Chart
- Summary

- Account Details

You use the subforms to specify parameters and view the job and financial data in chart and grid formats.

The Project Status Inquiry form also enables you to access many programs related to jobs and contracts. You use options on the Form and Row menus to access related programs. The system does not reflect changes that you make in the related programs unless you reprocess your job and billing data records.

When you close the Project Status Inquiry form, the system clears the F51X10 table unless you are viewing records that were previously saved or you select the Save Results option from the form menu. You can save the results only if view later processing is enabled. If you save the results, you can use the Work with Project Status Inquiry View program to locate the saved records and open them in the Project Status Inquiry form.

See *Working With Saved Results (Release 9.2 Update)*.

**Note:** The Project Status Inquiry program does not include processing options. Instead, you set processing options in the Work with Project Status Inquiry program (P51X0200) that affect how you view or work with records on the Project Status Inquiry form. See *Setting Processing Options for Work with Project Status Inquiry (P51X0200)*.

## Options Subform

The Options subform includes the same list of options for summarization as appears in the Work with Project Status Inquiry form. When you first access the Project Status Inquiry form, the system summarizes the job and project data in the Summary subform according to the value that you selected on the Work with Project Status Inquiry form.

The value that you select in the Summarize by list determines the order in which the Project Status Inquiry program displays the job columns. For example, if you select the Supervisor list item in the Summarize by list, the system displays the Supervisor and Supervisor Description data from the Business Unit Master table (F0006) immediately after the project number. If you summarize by a job category code, then the category code and description appear at the beginning (left side) of the grid. If you select a different list item, the system refreshes the grid to summarize the job records by the new value.

See Also *Summarization*.

The date options that you selected in the Work with Project Status Inquiry program (P51X0200) appear on the Options tab. The date options here are for display purposes only. You cannot change the date options on the Project Status Inquiry form.

## Chart Subform

The chart subform includes two tabs: Display and Selection.

The Display tab of the Chart subform includes a graphical representation of the data in your user-defined columns. You can specify which columns to include in the graph by selecting the check boxes that correspond to the column names on these forms:

- Column Layout form in the Project Status Inquiry Column Layout program (P51X91).
- Work with Project Status Inquiry form (Columns 1–20 and Columns 21–40 tabs) in the Work with Project Status Inquiry program (P51X0200).
- Project Status Inquiry form (Selection tab on the Chart subform) in the Project Status Inquiry program (P51X0210).

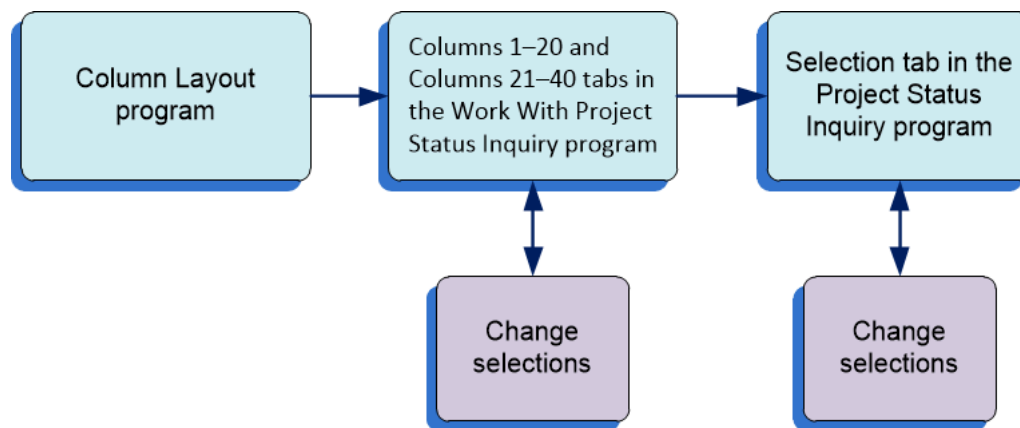
The system retains your column selections from the Project Status Inquiry Column Layout program to the Work with Project Status Inquiry program and then to the Project Status Inquiry program.

You can select up to 40 user-defined columns to include in your data selection, and you can display on the Display tab of the Chart subform up to 40 user-defined columns. Select or clear the check boxes next to the columns that you want to view or suppress and then click the Display tab to refresh the chart. You cannot select the check box for Visual Alert columns.

The check boxes for the columns include an orange square in the upper left corner of the check box. When you click on the square, the system opens a column information hover form that includes information such as the totaling method, whether as if currency is enabled for the column, and other factors.

See *Column Information Hover Forms*.

This image illustrates where you can select and modify column selections:



The system builds the chart only when one or more columns are selected in one of the programs that enable you to select the columns. The system displays the chart columns in the order in which they appear on the Columns 1-20 and Columns 21-40 tabs, which is also the order in which they appear on the Selection tab. The system displays the chart columns in system-determined colors. You cannot change the column order or the chart colors.

As you select different records in the Summary subform, the chart refreshes to show the data for the record that you selected.

You can set the Expand Chart Control Upon Entry processing option in the Work with Project Status Inquiry program (P51X0200) to display or suppress the expansion of the Charts subform when you first access the Project Status Inquiry form.

## Summary Subform

The Summary subform displays both the job columns and user-defined columns. The system arranges the columns according to the value that you select in the Summarize by list and according to the order in which you specified columns on the Columns 1-20 and Columns 21-40 tabs in the Work with Project Status Inquiry program. The columns at the beginning of the grid (left side) include the project, job, company, and business unit job columns. Then, if you summarize by an option other than project or job, the job columns that include the specified summary information appear after the project number. The user-defined columns that you specified when you processed records appear in the grid after the project, job, company, business unit, and summary job-column information. You can change your selected summary option as often as you like.

The Show Job Totals check box appears on the Summary subform when you select any summary list item except **Job**, **Account Category Code**, or **Alternate Cost Code**. You can set a processing option to initialize the Project Status Inquiry form with the Show Job Totals check box selected.

Each line in the Summary subform includes a link in a description field. The value that you select in the Summarize by field on the Options subform determines which description field includes the link. For example, if you summarize by company, the Company Description field includes the link. If you summarize by a contract type, then the Contract Type Description field includes the link. Single-click on the link in a summary line to display the account details for each job for the summary line in the Account Details subform. Amounts in the Summary subform and the Account Details subform are in bold text if the amounts displayed are totals of other amounts.

If you specified to show amounts in an as if currency, the amount columns for which you enabled as if currency processing show the amounts in the as if currency. See [As If Currency Processing](#).

The method of totaling that you assigned to the columns affects how the amounts are calculated and displayed in the Project Status Inquiry form. See [Understanding Totaling Methods](#).

If you included visual alert columns and a job or summary line includes an amount that triggers the visual alert, the system displays the icon associated with the threshold in the Summary subform and the Account Details subform. See [Threshold Amounts](#) and [Viewing Visual Alerts](#).

## Account Details Subform

When you generate the job and project records, you can select a line in the Summary subform and display account information for the summary line in the Account Details subform. The subform displays columns for the data in the Account Balances table (F0902) and Account Ledger table (F0911), and the user-defined columns that you defined when you selected the records to process. The system includes values from the F0911 table for only the AA and AU ledgers, and only if you set the date options and the G/L Posted Code option so that the system reads the F0911 table records.

See [G/L Posted Code](#).

When the system first displays the Account Details subform, the subform includes the accounts that are associated with the first row of the Summary subform. Click on a value in the Description field for one of the lines in the Summary subform to populate the grid in the Account Details subform with all levels of detail for the record that you selected.

### Links and Breadcrumbs

Some of the grid lines in the Account Details subform include blue-colored links in the Account Description field. Some grid lines do not include links and have gray-colored text. The links enable you to navigate to a lower level of detail. If the grid line does not have a link and the text appears in gray text, then no lower level of detail exists for the record.

When you click a link in the Account Description field, the grid-line display refreshes to show the next level of detail. The system also creates a new link above the grid. This link is a *breadcrumb*, which is a link that enables you to return to the beginning of the levels of detail, or to any other level that you have viewed. As you click links in the Account Details subform, or click a breadcrumb link, the display of records changes.

The first breadcrumb is a link to the job or project that you selected on the Summary subform. The system continues to build the bread crumb trail as you click additional links in the Account Details subform. You can continue to navigate to lower levels by clicking links in the Account Description field. You can also navigate to higher levels of detail by clicking one of the breadcrumbs. Clicking a breadcrumb refreshes the display to show the detail records for the breadcrumb-level that you select.



## Example of Links and Breadcrumbs

This example illustrates how the system builds the breadcrumb trail as you click links in the Summary and Account Details subforms.

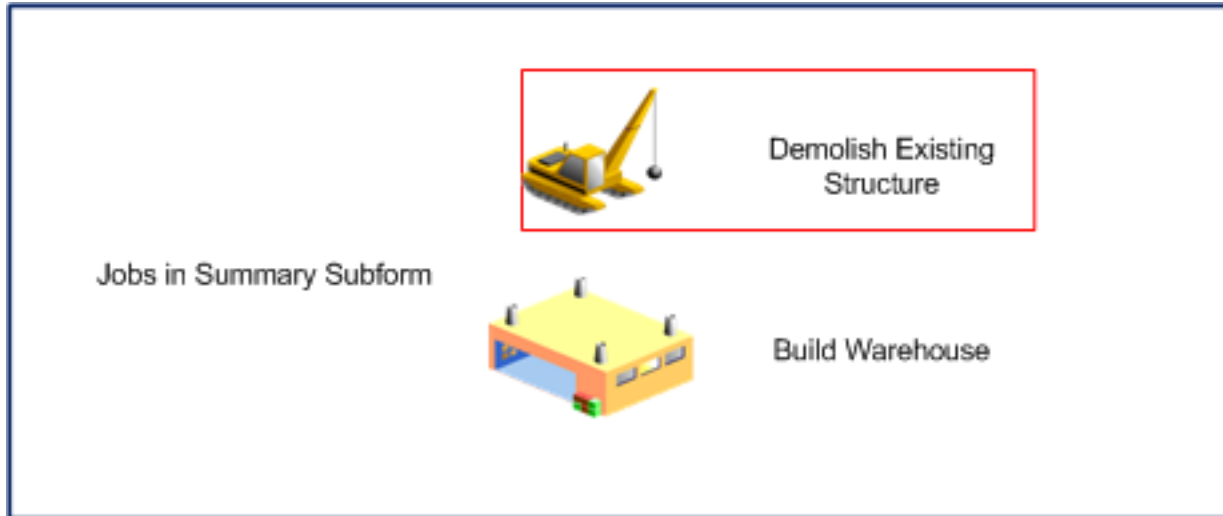
Suppose that you have these jobs in the Summary subform:

- Demolish Existing Structure
- Build Warehouse

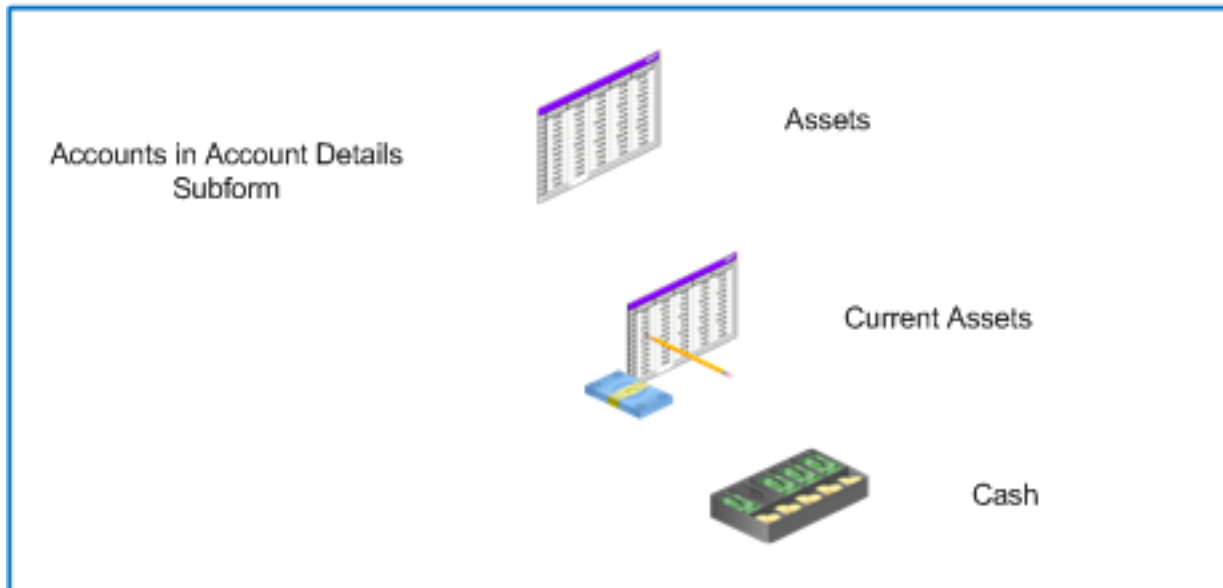
Suppose further that the Demolish Existing Structure job includes these accounts:

- Assets (level of detail 3).
- Current Assets (level of detail 4).
- Cash (level of detail 5).

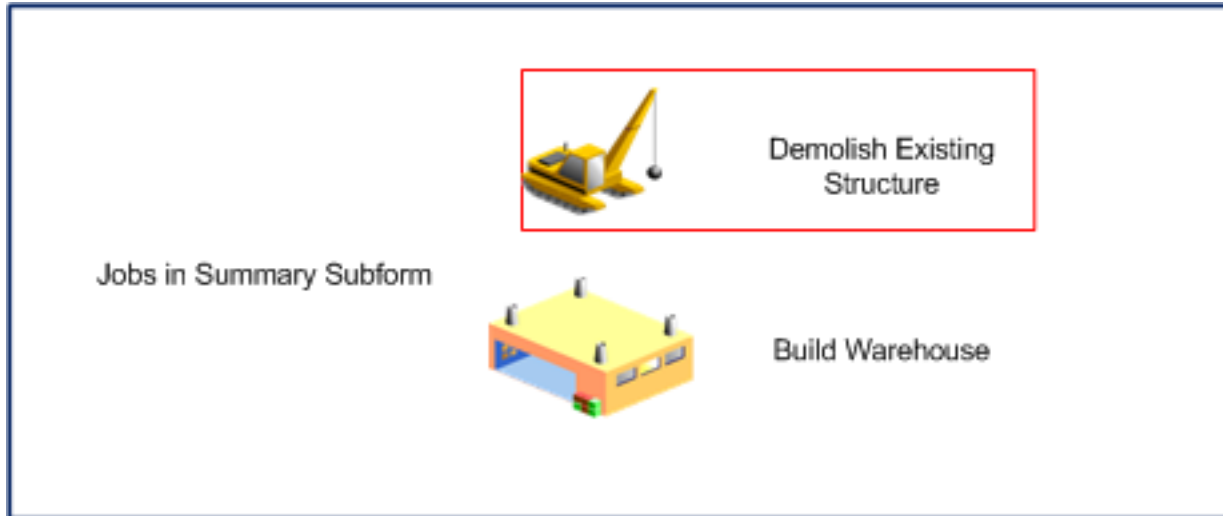
This image illustrates the jobs and accounts, and shows that the system selects the first job in the Summary subform when you first access the form. The name of the selected job appears in the breadcrumb line, but it is not an active link:



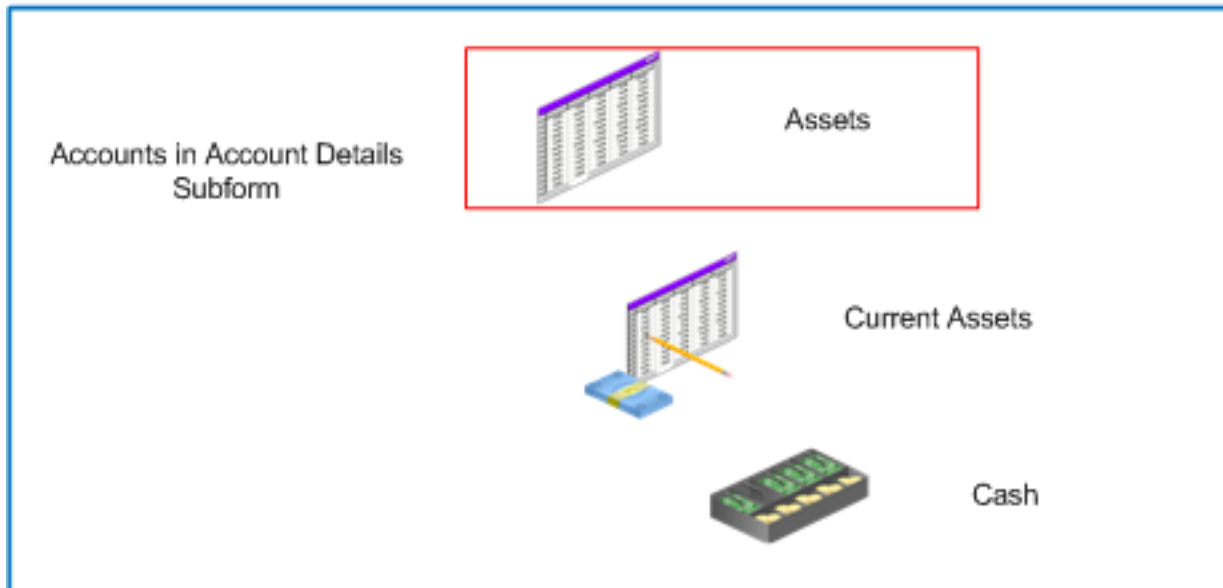
Demolish Existing Structure



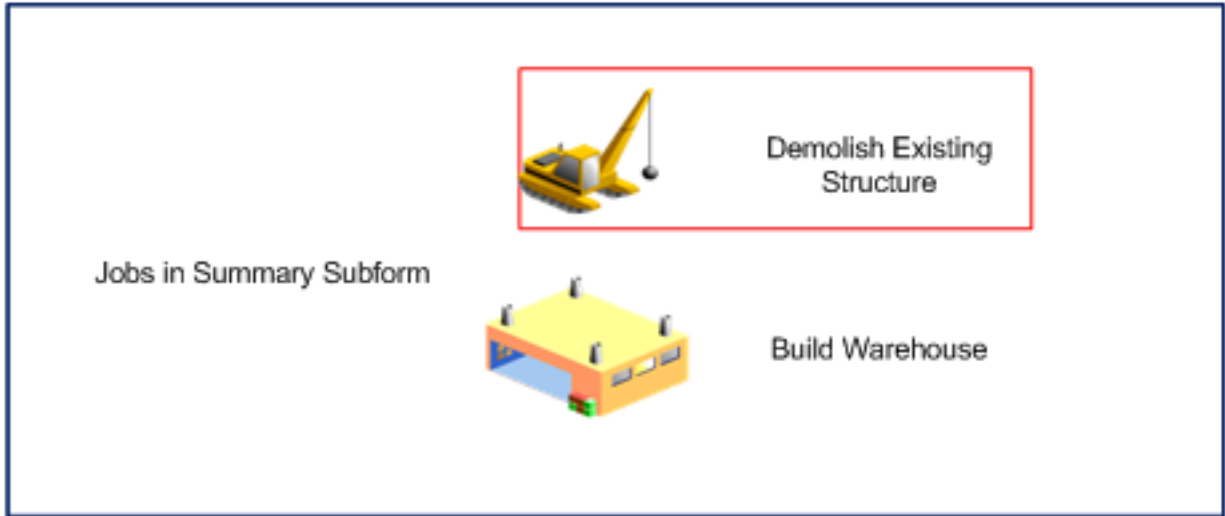
If you click the link for the Assets record in the Account Details subform, the system adds a non-link breadcrumb and makes the Demolish Existing Structure text a blue link. This image illustrates the breadcrumb path:



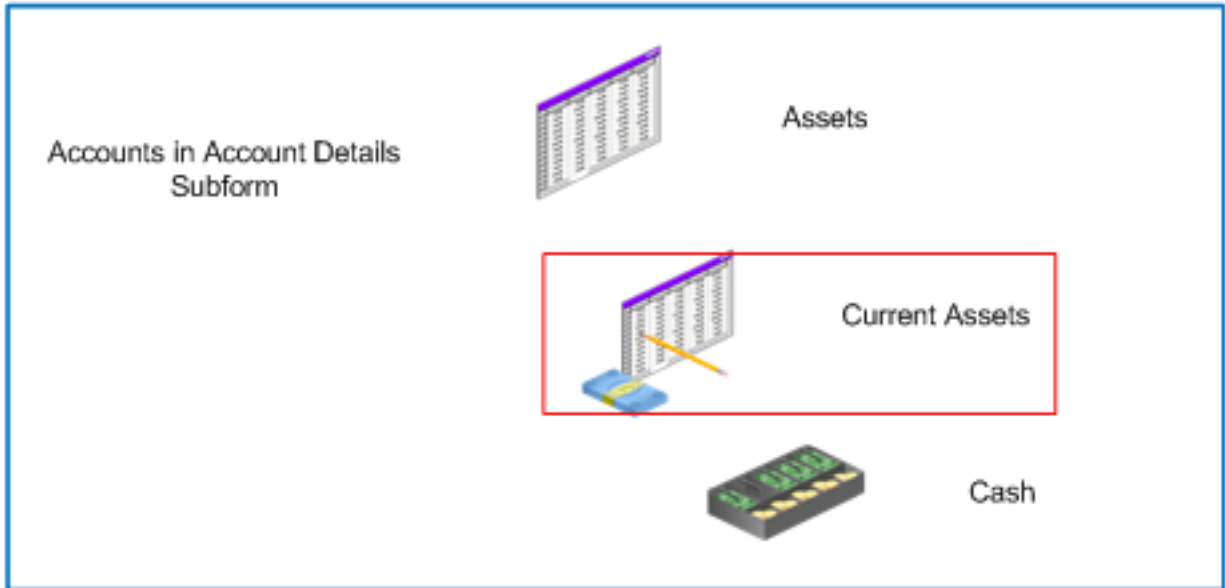
[Demolish Existing Structure](#) > Assets



When you click the link for the Current Assets line, the system makes the Assets text a clickable link and adds the text for Current Assets to the breadcrumb path as shown in this image:



[Demolish Existing Structure](#) > [Assets](#) > Current Assets



## Display Options

The Account Details subform includes check boxes that control the data displayed in the subform. The Suppress Zero Accounts check box enables you to hide or display accounts that have zero balances. The Suppress Header Accounts check box enables you to hide or display header accounts. The Display Cost Code Description check box enables you to hide or display the description associated with the cost codes.

You can set a processing option for each of these check boxes to control whether the check box is selected or cleared when you initially access the Project Status Inquiry form.

## Viewing Visual Alerts

When you include a visual alert column, the system displays the icon associated with the threshold level if an amount in the basis column triggers the visual alert. If the amount in the basis column does not meet or exceed any threshold set, then the cell in the visual alert column is blank.

In the Summary subform of the Project Status Inquiry form, the system shows the visual alert icon (yellow circle, orange triangle, or red square) for only the highest-level threshold exceeded in the accounts associated with the job or project. The system displays the accounts associated with the job or project in the Account Details subform. For example, if you set up threshold levels for amounts that are greater than or equal to 1000 (level 1), 2000 (level 2), and 3000 (level 3), and the highest detail amount for the job is 2500, the system displays the level 2 icon (orange triangle) in the Summary subform.

In the Account Details subform, the system displays the appropriate icon for each detail record that exceeds a threshold. If you specified in the Work with Project Status Inquiry form to use level of detail totaling, the system enables you to view each level of detail and the rolled-up (accumulated) totals for accounts. When you view the accumulated totals, the amount shown for the total includes amounts from lower level accounts. However, the system provides the icon for the alert level based on the actual account value, not on the accumulated total of the account level.

For example, suppose that you set up a visual alert column to show alerts when amounts are greater than or equal to these levels:

- Level 1 threshold = 10,000
- Level 2 threshold = 20,000
- Level 3 threshold = 30,000

This tables illustrates how the system accumulates lower-level amounts into a total at a higher level of detail when the display of detail levels (LOD) is on, and the alert levels that the system applies based on the actual amounts of each account instead of on the accumulated amounts:

Account	LOD	Actual Amount	Amount Displayed with LOD Off	Amount Displayed with LOD On	Alert Level
1400	6	0	0	57,500	0
1430	8	12,000	12,000	57,500	1
1431	9	18,000	18,000	18,000	1
1432	9	27,500	27,500	27,500	2

In this example, the system assigns an alert icon based on the value in the Actual Account column, not on the accumulated amounts shown in the Amount Displayed with LOD On column. The system does not assign an alert icon to account 1400 because the actual amount in the account is 0. The system assigns the alert icon for the Level 1 Threshold for the accounts 1430 and 1431 because those amounts exceed the threshold limit of 10,000. The system assigns the icon for Level 2 Threshold to account 1432 because the amount for that account exceeds the threshold limit of 20,000.

You can select the name of a visual alert column from the Filter Alerts list in the Account Details subform of the Project Status Inquiry form to view only the rows of a basis column that triggered an alert. If you filter by a visual alert column and no amounts meet or exceed the thresholds, then the Account Details subform shows no records. The

system maintains the alert filter that you set as you select different jobs and accounts in the Summary subform and the Account Details subform. To remove the filtering action, select **--Select One --** from the Filter Alert list.

## Access to Additional Programs from the Account Details Subform

You can access related programs by selecting the record in the subform and then selecting a list item from the More Row Exits list, which appears on the right side of the Account Details subform. After you select the list item, you must click the arrow button.

You can select from these list items:

- **Account Ledger**  
The system opens the Account Ledger Inquiry program (P09200) when you select this list item.
- **Account Balance**  
The system opens the Account Balance by Subledger program (P092131) when you select this list item.
- **Account Progress Entry**  
The system opens the Account Progress Entry program (P510211) when you select this list item.
- **Performance Labor Entry**  
The system opens the Performance Based Labor Progress Entry program (P510312) when you select this list item.
- **Commitment Inquiry**  
The system opens the Commitment Inquiry program (P40230A) when you select this list item.
- **Account Inquiry**  
The system opens the Work with Account Change Request Inquiry program (P53220) when you select this list item.
- **Budget by Ledger Type**  
The system opens the Revised Budget by Ledger Type program (P51216) when you select this list item.
- **Regional info**  
This option functions only when the localization country code in your user profile is set to **UK** (United Kingdom).
- **Attachments**  
The system opens the Media Object Viewer when you select this list item.

## Form and Row Menus

You can access many programs from the Summary subform on the Project Status Inquiry form. Note that if you update a record in another program, you must reprocess records in the Work with Project Status Inquiry program before you see the changes in the Project Status Inquiry form.

The Project Status Inquiry form includes three lists of menu options. The options on the Form menu open a program without populating the newly opened program with data from the Project Status Inquiry form. The options on the Row menu open programs and populate some of the fields in the program with data from the record that you selected in the

Summary subform. The options in the More Row Exits list in the Account Details subform open programs with data from the selected record in the Account Details subform.

See [Access to Additional Programs from the Account Details Subform](#).

You set processing options to specify the versions of the program to launch when you access programs from the Form or Row menu.

You can access these programs from the Form menu on the Project Status Inquiry form:

- Contract Status Inquiry (P52200)
- Billing Workfile Revisions (P4812)
- Billing Detail History (P4812H)
- Work with Time Entry (P051121)
- Parent Work Order Inquiry (P48220)

You can access these programs from the Row menu after you select a record in the Summary subform:

- Work w/ Contract Detail (P4310)
- Work with Change Requests (P5310)
- Work Order Cost by Job (P48210)
- Scheduling Workbench (P48201)
- Work with Profit Recognition (P5144)
- Original Budget (P510121)
- Budget Revisions (P510171)
- Job Progress Entry (P510212)

## Viewing Job and Billing Data

This section provides an overview of generated and saved records, lists prerequisites, and discusses how to:

- View jobs and financial data for jobs.
- Filter records by visual alerts.
- Identify columns to include in the chart.

## Understanding Generated and Saved Records

You can generate results to view now or to view later. When you click the View Now button on the Work with Project Status Inquiry form, the system validates the data selection, calculates values, and displays the results in the Project Status Inquiry form of the Project Status Inquiry program (P51X0210). When you exit the Project Status Inquiry form, the system does not save the results. You can, however, select to save the results that you viewed, and can generate records that the system saves for later viewing instead of immediately displaying them in the Project Status Inquiry form.

You can use the following methods to save results to view later:

- Complete the data selection on the Work with Project Status Inquiry form, click the View Now button to display the records in the Project Status Inquiry form, and then use the Save Results option on the Form menu to save the results that you viewed.

The system includes the Save Results option on the Form menu only when view later processing is enabled.

- Specify job selection data in the Work with Project Status Inquiry form and then click the View Later button.

The system includes the View Later button on the Work with Project Status Inquiry form only when view later processing is enabled.

- Run the Submit Project Status Inquiry View program (R51X0300).

When you run the Submit Project Status Inquiry View program, the system uses processing options and Data Selection to identify records to process instead of using the data that you specify on the Work with Project Status Inquiry form.

See *Generating Job and Billing Data to View Later (Release 9.2 Update)*.

For all saved results, the system saves the results to the F51X10 table and creates a record in the Project Status Inquiry Results Header table (F51X30). You use the Work with Project Status Inquiry View program (P51X0310) to locate the saved records and open the saved results in the Project Status Inquiry form.

See *Working With Saved Results (Release 9.2 Update)*.

## Prerequisites

Before you complete the tasks in this section, you must specify the columns, sequencing, date range, and other parameters that determine the data selection for the Project Status Inquiry program.

## Viewing Jobs and Financial Data for Jobs

To view job and financial data:

1. Access the Project Status Inquiry form.

Form Name	Form ID	Navigation
Project Status Inquiry	W51X0210A	<p>Use one of these navigations:</p> <ul style="list-style-type: none"> <li>○ Project Status Inquiry (G5114).</li> </ul> <p>Project Status Inquiry (P51X0200).</p> <p>Specify the data selection criteria, and then click View Now on the Work with Project Status Inquiry form.</p> <ul style="list-style-type: none"> <li>○ Project Status Inquiry (G5114).</li> </ul> <p>Project Status Inquiry View (P51X0310).</p> <p>Select the record to view and click Select, or click the link for the record in the View ID field.</p>



- (Optional) On the Options subform, select a list item from the Summarize by list.

You specified a Summarize by list item on the Work with Project Status Inquiry form. You do not need to select a different option on the Options subform unless you want to summarize by a different list item. You can resummariize by different options as often as you choose.

The grid in the Summary subform includes the summary lines for jobs that met the parameters that you specified on the Work with Project Status Inquiry form.

- (Optional) On the Summary subform, select or clear the Show Job Totals check box to show or suppress job total summary lines.

The Show Job Totals check box does not appear if you selected **Job** in the Summarize by list on the Options subform. If you summarize by job, the Summary subform includes job totals.

- Select a summary line on the Summary subform.

The system displays the account details in the Account Details subform for the summary line you select and refreshes the chart.

- Select or clear these options on the Account Details subform to show or hide information:

- o Suppress Zero Accounts
- o Suppress Header Accounts
- o Display Cost Code Description

- Click a link in the Account Description field for an account in the Account Details subform to refresh the display to show a lower level of account detail.

You can sort the results in the Account Description subform by column rows with visual alert icons. See *Filtering Records by Visual Alerts*.

- (Optional) Expand the Chart subform to view the columns in a chart format.

You use the check boxes on the Selection tab of the Chart subform to select the columns to display on the Display tab of the Chart subform. See *Identifying Columns to Include in the Chart*.

- When you finish reviewing the results, click Close to exit without saving records, or, if view later processing is enabled, select Save Results from the Form menu to save the results.

See *Working with Saved Results*.

## Filtering Records by Visual Alerts

To filter records by visual alerts:

- Access the Project Status Inquiry form.

Form Name	Form ID	Navigation
Project Status Inquiry	W51X0210A	Use one of these navigations:

Form Name	Form ID	Navigation
		<ul style="list-style-type: none"> <li>○ Project Status Inquiry (G5114).</li> <li>Project Status Inquiry (P51X0200).</li> <li>Specify the data selection criteria, and then click View Now on the Work with Project Status Inquiry form.</li> <li>○ Project Status Inquiry (G5114).</li> <li>Project Status Inquiry View (P51X0310).</li> <li>Select the record to view and click Select, or click the link for the record in the View ID field.</li> </ul>

2. In the Account Details subform, select an alert column name from the Filter Alerts list.

The system displays only the rows for which an alert appears in the selected alert column.

3. Select **--Select One--** from the Filter Alert to clear the sort by alert filter.

## Identifying Columns to Include in the Chart

**Note:** *Viewing Visual Alerts*

To identify the columns to include in the chart:

1. Access the Project Status Inquiry form.

Form Name	Form ID	Navigation
Project Status Inquiry	W51X0210A	<p>Use one of these navigations:</p> <ul style="list-style-type: none"> <li>○ Project Status Inquiry (G5114).</li> <li>Project Status Inquiry (P51X0200).</li> <li>Specify the data selection criteria, and then click View Now on the Work with Project Status Inquiry form.</li> <li>○ Project Status Inquiry (G5114).</li> <li>Project Status Inquiry View (P51X0310).</li> <li>Select the record to view and click Select, or click the link for the record in the View ID field.</li> </ul>

2. Expand the Chart subform.
3. Select the Selection tab.

4. Select the check box next to each column that you want to include the column in the chart.

You can click the orange square in the upper left corner of the check boxes to view information about the column.

You cannot include visual alert columns in the chart.

5. Click the Display tab.

The system shows the columns that you selected in a bar chart.



# 17 Generating Job and Billing Data to View Later (Release 9.2 Update)

## Understanding How to Generate Job and Billing Data to View Later

You can specify job and billing data selection in the Work with Project Status Inquiry program (P51X0200) and generate the results to view later or you can run the Submit Project Status Inquiry View program (R51X0300) to generate job and billing data that the system saves so that you can view it later.

When you run the Submit Project Status Inquiry View program, the system creates a record in the Project Status Inquiry Results Header table (F51X30) that includes information about the generated view, such as the user who created it, the date it was generated, and a view ID that the system assigns from the next numbering scheme for line 1 of system 51X. The system also saves the job and billing data to the Project Status Inquiry Worktable (F51X10).

You can run the Submit Project Status Inquiry Worktable (F51X10) View program as a scheduled job, from a menu option, or from the Batch Versions program (P98305W). You use Data Selection to specify the jobs from the Business Unit Master table (F0006) for which you generate records, and set processing options to specify additional processing criteria. After you run the process, you can access the saved records using the Work with Project Status Inquiry View program (P51X0310).

The Submit Project Status Inquiry View program does not generate a PDF report. Instead, you can view the Completion Status field in the Work with Project Status Inquiry View program to determine whether the process completed successfully or in error. If the process ended in error, you can view information about the errors in the Work Center.

### Note:

- [Selecting Job and Billing Data to View \(Release 9.2 Update\)](#).
- [Working With Saved Results \(Release 9.2 Update\)](#).

## Prerequisites

Before you generate job and billing data using the Submit Project Status Inquiry View program:

- Set up the column layout to use.  
See [Defining Column Layouts](#).
- Verify that the next numbering scheme for view IDs is set up on line 1 for system 51X in the Next Numbers program (P0002).  
See [Setting Up Next Numbers](#).

# Running the Submit Project Status Inquiry View Program

Select Project Status Inquiry (G5114), Submit Project Status Inquiry View.

## Setting Processing Options for Submit Project Status Inquiry View (R51X0300)

Processing options enable you to specify default processing values.

### Dates

The processing options on the Dates tab work together to determine the date range and date method that the system uses when selecting job records to process.

**Note:** *Dates and Periods.*

Use these combinations of processing options to select records to process:

- If you specify to use periods in the Period or Date processing option and leave the Date Processing processing option blank to use the Inception to Date method, you also complete the Thru Period and Thru Fiscal Year processing options.
- If you specify to use dates in the Period or Date processing option and leave the Date Processing processing option blank to use the Inception to Date method, you also complete the Thru Date processing option. The date that you specify in the Thru Date processing option applies to only the AA and AU ledgers. For other ledgers, the system uses the period of the specified date.
- If you specify to use periods in the Period or Date processing option and enter **1** in the Date Processing processing option to use the Year to Date method, you also complete the Thru Period, and Thru Fiscal Year processing options.
- If you specify to use dates in the Period or Date processing option and enter **1** in the Date Processing processing option to use the Year to Date method, you also complete the Thru Date processing option. The date that you specify in the Thru Date processing option applies to only the AA and AU ledgers. For other ledgers, the system uses the period of the specified date.
- If you specify to use periods in the Period or Date processing option and enter **2** in the Date Processing processing option to use the Period method, you also complete the From Period, From Fiscal Year, Thru Period and Thru Fiscal Year processing options.
- If you specify to use dates in the Period or Date processing option and enter **2** in the Date Processing processing option to use the Period method, you also complete the From Date and Thru Date processing options. The dates that you specify in the From Date and Thru Date processing options apply to only the AA and AU ledgers. For other ledgers, the system uses the period of the specified date.

#### 1. Period or Date

Specify whether to run the Submit Project Status Inquiry View program based on periods or dates. Values are:

Blank: Periods.

**1: Date.**

### **2. From Period**

Specify the beginning period of the range that the system uses to select job records. You complete this processing option when you leave the Period or Date processing option blank and enter **2** (Period) in the Date Processing processing option.

### **3. From Fiscal Year**

Specify the beginning year of the date range for periods. You complete this processing option when you leave the Period or Date processing option blank and enter **2** (Period) in the Date Processing processing option.

### **4. Thru Period**

Specify the ending period of the date range that the system uses to select job records. You complete this processing option when you leave the Period or Date processing option blank to use periods. This processing option applies to all values (Inception to Date, Year to Date, and Period) in the Date Processing processing option.

### **5. Thru Fiscal Year**

Specify the ending fiscal year of the date range that the system uses to select job records when you leave the Period or Date processing option blank to use periods. This processing option applies to all values (Inception to Date, Year to Date, and Period) in the Date Processing processing option.

### **6. From Date**

Specify the beginning of a date range to use to select job records when you enter **1** (Dates) in the Period or Date processing option and enter **2** (Period) in the Date Processing processing option.

### **7. Thru Date**

Specify the end of a date range to use to select job records when you enter **1** (Dates) in the Period or Date processing option and enter **2** (Period) in the Date Processing processing option.

### **8. Date Processing**

Specify which date selection method to use. Values are:

Blank: **Inception to Date.** Select the Inception to Date option to view job or project accounts through the period and year or date that you specify. When you select this option, the system includes the balance forward amount from the previous year.

**1: Year to Date.** Select the Year to Date option to view job or project accounts through the period and year or date that you specify.

**2: Period.** Select the Period option to view records for the date range that you specify. You can use this option to specify a time period that extends over multiple years.

## Process

### **1. Description**

Specify a description that the system assigns to the dataset that it generates when you process job and account records. You can use the description to locate the batch in the Work with Project Status Inquiry View program (P51X0310). If you do not complete this processing option, the system uses the User ID as the view description.

### **2. Level of Detail Totaling**

Specify whether to calculate totals by level of details according to the cost sequence that you specify in the Cost Code/  
Cost Sequence processing option. Values are:

Blank: No, do not calculate levels of detail.

**1:** Yes, calculate the levels of detail.

### **3. Summarize By**

Enter a value from the Summary Method UDC (51X/SM) to specify the data type by which the system summarizes the  
job and costs. Values are:

**01** or blank: Job.

**02:** Project

**03:** Company

**04:** Job Category Code

**05:** Supervisor

**06:** Owner Address

**07:** Address Number 1

**08:** Address Number 2

**09:** Address Number 3

**10:** Address Number 4

**11:** Address Number 5

**12:** State

**13:** Contract Type

**14:** Account Category Code

**15:** Alternate Cost Code

### **4. Summarize by Job Category Code**

Specify the job category code to use when you select **04** (Job Category Code) in the Summarize By processing option. If  
you leave this processing option blank, the system uses category code 1.

### **5. Summarize by Account Category Code**

Specify the job category code to use when you select **14** (Account Category Code) in the Summarize By processing  
option. If you leave this processing option blank, the system uses category code 1.

### **6. Sequence By**

Specify whether to sequence accounts by cost code and then by cost type, or by cost type and then cost code. If  
you complete the Account Range Date processing option, you must enter an account range date that uses the same  
sequencing order that you specify here.

Values are:

Blank: Cost Code/Cost Type

**1:** Cost Type/Cost Code

### **7. Subledger**



Specify the subledger to use for data selection. The system uses the value in this processing option as well as the value in the Subledger Type processing option to determine whether to use a subledger and subledger type to select records to process.

This table lists the combination of values that you can enter in the Subledger and Subledger Type processing options:

Subledger Value	Subledger Type Value	Display Result
*	Blank	The program does not use the subledger or subledger type to determine which records to display. These values are the default values.
Blank	Blank	The program selects for display only the records that have blank values for the Subledger and Subledger Type fields.
*	Specified value	The program selects for display only the records that have the specified value in the Subledger Type field.
Specified value	Specified value	The program selects for display only the records that have the specified values in both the Subledger and Subledger Type fields.

### 8. Subledger Type

Specify the subledger type to use for data selection. If you do not specify a subledger type, the system either does not use the subledger type or selects records that have a blank value for the subledger type, depending on the value that you enter in the Subledger processing option.

### 9. G/L Posted Code (Actuals Only)

Specify whether the system retrieves posted, unposted, or all account records from the AA and AU ledgers. The values that you specify for the date options also affect how the system retrieves account values.

See *G/L Posted Code*.

Values are:

Blank: Posted

1: Unposted

2: All

### 10. Account Range Name

Specify the account range to use for data selection. The account range name that you specify must exist in the Project Status Inquiry Account Range table (F51X100). If you leave this processing option blank, then the system does not limit the accounts selected for processing.

The cost code and cost type sequencing assigned to the account range that you specify here must be the same as the sequence that you specify in the Sequence By processing option. For example, if you select **Cost Type/Cost Code** in the Sequence By processing option, then the sequencing order that is assigned to the account range name that you enter must be **Cost Type/Cost Code**. The system does not validate that the sequence order is the same when you enter an account range name. Instead, the process ends in error if the sequence order is not the same.

## Columns

### 1. Column Layout

Specify the column layout to use when generating the job and account records. The value that you enter must exist in the Column Layout table (F51X91). You must complete this processing option.

### 2. Display Contact/Service Billing Columns

Specify whether to include billing amount columns when generating the job and account records. If you leave this processing option blank and specify a column layout that includes billing amount columns, then the system does not include the billing amount columns in the records that it saves to the Project Status Inquiry Worktable (F51X10). Values are:

Blank: Do not display.

1: Display columns.

## Currency

### 1. As If Currency Code

Specify the code of the currency in which you want to view the job and account records, if different from the company's default currency code. Complete this processing option only if you want to view results in an as if currency. The value that you specify must exist in the Currency Codes table (F0013).

The system displays results in the as if currency for only the columns for which as if currency processing is enabled.

### 2. As If Exchange Rate Date

Specify the exchange rate date to use for currency conversion when you specify a currency in the As If Currency Code processing option. If you complete the As If Currency Code processing option and do not specify a date in this processing option, then the system uses the current date to retrieve the exchange rate from the Currency Exchange Rates table (F0015).

# 18 Working With Saved Results (Release 9.2 Update)

## Understanding Saved Results

The system saves the results generated by the project financial management process when you perform one of these actions:

- Select the Save Results option on the Form menu on the Project Status Inquiry form.

You can save the results from the Project Status Inquiry form only when the Allow View Later Processing processing option is set to **1** (enable). If the processing option does not enable view later processing, the Save Results option does not appear in the Form menu.

- Click the View Later button on the Work with Project Status Inquiry form.

You can save the results from the Work with Project Status Inquiry form only when the Allow View Later Processing processing option is set to **1** (enable). If the processing option does not enable view later processing, the View Later option does not appear in the Form menu.

- Run the Submit Project Status Inquiry View program (R51X0300).

When you perform an action to save the results, the system creates a record in the Project Status Inquiry Results Header table (F51X30) that includes information about the generated results, such as the user who created it, the date it was generated, and a view ID. The system assigns the view ID from the next numbering scheme for line 1 of system 51X. The system also saves the job and billing data results to the Project Status Inquiry Worktable (F51X10).

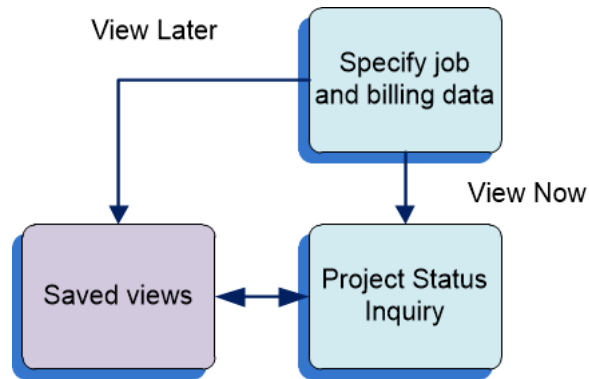
You use the Work with Project Status Inquiry View program (P51X0310) to access the saved results. The Project Status Inquiry View program enables you to search for the result record-set and open it in the Project Status Inquiry program. You can also use the Project Status Inquiry View program to change the description of the view and to delete the results that you no longer need.

The Work with Project Status Inquiry View form includes a completion status for each generated view. You can open a saved view only when the status is Complete. If the status is Pending, then the system has not completed processing. If the status is Error, then the system could not complete processing because of a validation error. You can view the errors in the Work Center.

Processing options in the Project Status Inquiry View program control whether you can view, modify, and delete only the results that you generated, or whether you can work with all generated results.

**Note:** *Security Considerations.*

This image illustrates how you generate and retrieve view results records:



## Setting Processing Options for Work with Project Status Inquiry View Program (P51X0310)

You might have job and billing data in your system for which you want to restrict access. For example, you might have confidential labor rate information associated with billing lines, and need to restrict access to saved results that include that information. Use the processing options on the Defaults tab to restrict access to saved results that are generated by other users.

### Defaults

#### 1. View Any User

Specify whether you can view the results generated by any user or view only the results that you generate. Values are:

Blank: Restrict view. Each user can view only the results generated by the user.

**1:** Allow view. Each user can view results generated by any user.

#### 2. Delete Any User

Specify whether you can delete only the results that you generate or you can delete any results. Values are:

Blank: Restrict delete. Each user can delete only the results that the user generates.

**1:** Allow delete. Each user can delete any results.

### Versions

#### 1. Work with Project Status Inquiry (P51X0200)

Specify the version of the Work with Project Status Inquiry program to use. The system uses processing options from the version of the Work with Project Status Inquiry program that you specify when it opens the Project Status Inquiry program.

If you leave this processing option blank, the system uses version ZJDE0001.

## Working with Saved Results

This section discusses how to:

- Open saved results in the Project Status Inquiry program.
- Change the description of saved results.
- Delete saved results.

### Opening Saved Results in the Project Status Inquiry Program

A processing option determines whether you can access only the results that you generated or all results.

To open saved results in the Project Status Inquiry program:

1. Access the Work with Project Status Inquiry View form:

Form Name	Form ID	Navigation
Work with Project Status Inquiry View	W51X0310A	Use one of these navigations: <ul style="list-style-type: none"> <li>○ Project Status Inquiry (G51411), Work with Project Status Inquiry View (P51X0310).</li> <li>○ Project Status Inquiry (G51411), Work with Project Status Inquiry (P51X0200). Select Work With View from the Form menu.</li> </ul>

2. On the Work with Project Status Inquiry View form, locate the results that you want to open.

You can select the record and then click Select, or you can click the link for the record in the View ID field.

The system opens the view in the Project Status Inquiry form.

### Changing the Description of Saved Results

A processing option determines whether you can access only the results that you generated or all results.

To change the description of saved results:

1. Access the Work with Project Status Inquiry View form.

Form Name	Form ID	Navigation
Work with Project Status Inquiry View	W51X0310A	Use one of these navigations: <ul style="list-style-type: none"> <li>○ Project Status Inquiry (G51411), Work with Project Status Inquiry View (P51X0310).</li> </ul>

Form Name	Form ID	Navigation
		<ul style="list-style-type: none"> <li>Project Status Inquiry (G51411), Work with Project Status Inquiry (P51X0200). Select Work With View from the Form menu.</li> </ul>

- On the Work with Project Status Inquiry View form, select the record and then select Edit Description from the Row menu.

The system opens the Edit View Description form.

- Enter the new description, and then click OK.

You can enter up to 120 characters in the Description field.

## Deleting Saved Results

Processing options in the Project Status Inquiry View program control whether you can delete only the results that you generated, or whether you can delete any generated results.

To delete saved results:

- Access the Work with Project Status Inquiry View form.

Form Name	Form ID	Navigation
Work with Project Status Inquiry View	W51X0310A	<p>Use one of these navigations:</p> <ul style="list-style-type: none"> <li>Project Status Inquiry (G51411), Work with Project Status Inquiry View (P51X0310).</li> <li>Project Status Inquiry (G51411), Work with Project Status Inquiry (P51X0200). Select Work With View from the Form menu.</li> </ul>

- On the Work with Project Status Inquiry View form, select the record and then click the Delete button.

# 19 Appendix A - JD Edwards EnterpriseOne Job Cost Reports

## Job Cost Reports

The JD Edwards EnterpriseOne Job Cost system offers you a variety of reports that help review and manage job cost information. Use management summary reports to review:

- Date sensitive account balance information for a selected job. You can review the information by job or cost code, or break it down by units and labor.
- Financial details of the subcontracts associated with the jobs.
- Analysis of date sensitive information related to specific accounts over a given period.

You can generate reports that show all of the jobs in the system or the chart types that you have set up. You can also generate a report that shows the accounts that relate to a specific job.

## Job Cost Summary Reports: A to Z

This table lists the job cost reports, sorted alphanumerically by report ID.

Report ID and Report Name	Description	Navigation
R51006P Job Master List	<p>Use this program to review all of the jobs in the system. You can select summary, detailed, or CSV versions of this report.</p> <p>Summary and detailed versions are formatted to print as .PDF (CSV does not produce correct output with this version).</p> <p>CSV version is formatted to print as .CSV (summary and detail .PDF reports do not produce correct output with this version).</p> <p>The system takes the information from the Business Unit Master table (F0006).</p>	Job Cost Reports (G5113), Job Master List
R510901 Job Account Master List	<p>Use this program to review all of the accounts that relate to a specific job. The five versions of this report are based on reordering of information</p>	Job Cost Reports (G5113), Job Account Master List

Report ID and Report Name	Description	Navigation
	from the Account Master table (F0901).	
R51091P Chart Types	Use this program to review all of the chart types that you have set up in the system.	Job Cost Reports (G5113), Chart Types
R512000P Job Status Inquiry	Use this program to review the Job Status Inquiry User Defined Columns information.	Job Cost Reports (G5113), Job Status Inquiry
R51412 Master Job Cost	Use this program to review date sensitive account balance information for a specific job.	Job Cost Reports (G5113), Master Job Cost Report
R514122 Summary by Cost Type	Use this program to review date sensitive account balance information for a specific job by cost type.	Job Cost Reports menu (G5113), Summary by Cost Type
R514121 Unit Cost Analysis	Use this program to review date sensitive account balance information for a specific job.	Job Cost Reports menu (G5113), Unit Cost Analysis
R51420 Detail by Job	Use this program to review the main details of a job.	Job Cost Reports menu (G5113), Detail by Job
R51425B Transaction Analysis	Use this program to review detailed transaction information by account.	Job Cost Reports menu (G5113), Transaction Analysis
R51430 Period Trend Analysis	Use this program to review date sensitive job cost information for selected accounts over a specified time interval	Job Cost Reports menu (G5113), Period Trend Analysis
R51443 Executive Summary	Use this program to review and manage the profit information related to projects, jobs, or subledgers within jobs.	Profit Recognition (G5122), Executive Summary
R51445 Profit Recognition Job Status	Use the program to review cost, revenue, and gross profit information for each job.	Profit Recognition (G5122), Profit Recognition Job Status
R51520 Cost of Construction detail	Use this program to view cost details per account over a selected period.	Job Draws and Reporting (G5123), Cost of Construction detail



Report ID and Report Name	Description	Navigation
R51525 Cost of Construction summary	Use this program to view summarized cost information over a selected period.	Job Draws and Reporting (G5123), Cost of Construction summary
R51530 Job Detail by Subledger	Use this program to review the details of a classified job using subledgers.	Job Cost Reports menu (G5113), Job Detail by Subledger
R51540 Budget Revisions	Use this program to review all additions and changes made to the budget of a job.	Job Cost Reports menu (G5113), Budget Revisions

## Selected Job Cost Reports

Some reports include a more detailed description, as well as information about processing options. These reports are listed alphanumerically by report ID in this appendix.

### R512000P Job Status Inquiry Print

Use the Job Status Inquiry Print report (R512000P) to review the Job Status Inquiry User Defined Columns information. You can print this report from the Job Cost Reports menu or from the Job Status Inquiry form. If you print the report from the Job Status Inquiry form, the system prints the first eight columns that have been selected to display on the form. If you print the report from the menu, you must enter a column version. The system prints the first eight columns based on the version that you enter.

## Setting Processing Options for Job Status Inquiry Print (R512000P)

Processing options enable you to specify the default processing for programs and reports.

### Display

#### 1. Column Version

Specify the column version to use to print the columns on the report. If you leave this processing option blank, the system uses the column version for the user ID, which the system automatically saves when you exit the Job Status Inquiry User Defined Columns program.

#### 2. Date Range

From Period/Date

Specify the start date or period to select information to print on the report. If you leave this processing option blank, the system determines the date to use based on the value entered in the Account Balance Type processing option.

**Note:** If you enter a value in this processing option, do not enter a value in the Account Balance Type processing option or the system prints an error on the report.

#### Thru Period/Date

Specify the through date or period to select information to print on the report. If you leave this processing option blank, the system prints an error on the report.

#### 3. Account Balance Type

Specify which account balances to display on the report. Do not complete this processing option if you have completed the Date Range processing option. Values are:

Blank or **1**: Inception to Date

**2**: Cumulative Year to Date

**3**: Period

#### 4. Account Level of Detail

Specify the default level of detail (values 3 through 9) to use to print account details. The system summarizes accounts for levels of detail that are higher (less detailed) than the value that you enter. For example, if you enter 5 in this processing option, the system prints amounts for accounts assigned level of detail 3 and 4, summarizes accounts from levels of detail 5, 6, 7, 8, and 9 and prints the total for the account assigned level of detail 5. If you leave this processing option blank, the system uses a default value of **9** and prints all accounts.

#### 5. Account Sequence

Specify the account sequence to use to print the account information on the report. Values are:

Blank: Job, Cost Code, Cost Type.

**A**: Alternate Cost Code, Cost Type, Job.

**C**: Cost Code, Cost Type, Job.

**O**: Job, Cost Type, Cost Code.

**T**: Cost Type Cost Code, Job.

**1**: Account Category Code 1.

**2**: Account Category Code 2.

**3**: Account Category Code 3.

## R51412 Master Job Cost Report

The Master Job Cost report (R51412) provides date sensitive account balance information for a specific job and includes these details:

- Revised budget
- Actual current
- Actual to date
- Percent spent
- Percent complete

- Projected final cost
- Remaining to complete
- Projected over/under
- Cost code
- Cost type
- Method of computation

When you select to print this report, you can also direct the system, using processing options, to print the Unit Cost Analysis (R514121) and the Cost Type Summary (R514122) reports.

## Setting Processing Options for Master Job Cost Report (R51412)

Processing options enable you to specify the default processing for programs and reports.

### Edits

Enter an as-of-date, limit reporting to a specific subledger, or designate a subledger type for the reports with these options.

#### 1. As of Date

Specify the date through which the system selects information to print on the report. If you leave this processing option blank, the system uses the current financial reporting date for the company assigned to the job.

#### 2. Subledger

Specify the subledger to use to select information to print on the report. If you enter a value in this processing option, you must complete the Subledger Type processing option. Enter \* to select all subledgers, or leave this processing option blank to select records without subledgers.

#### 3. Subledger Type

Specify the subledger type that corresponds to the value that you entered in the Subledger processing option. The subledger type that you enter must exist in UDC 00/ST.

#### 4. Cost Code Range

From Cost Code

Specify the beginning cost code (subsidiary) account in the range of accounts to print on the report. If you leave this processing option blank, the system prints all cost codes through the value entered in the Thru Cost Code field.

Thru Cost Code

Specify the ending cost code (subsidiary) account in the range of accounts to print on the report. If you leave this processing option blank, the system displays all cost codes from the value entered in the From Cost Code field.

#### 5. Cost Type Range

From Cost Type

Specify the beginning cost type (object) account in the range of account to print on the report. If you leave this processing option blank, the system displays all cost types through the cost type entered in the Thru Cost Type field.

Thru Cost Type

Specify the ending cost type (object) account in the range of accounts to print on the report. If you leave this processing option blank, the system displays all cost types from the value entered in the From Cost Type field.

## Print

Enter account level of detail, job address information, page breaks on different jobs, cost code and cost type print, zero amount print suppression, and unit print specifications for a job with these options.

### 1. Account Level of Detail

Specify the default level of detail (values 3 through 9) to use to print account details. The system summarizes accounts for levels of detail that are higher (less detailed) than the value that you enter. For example, if you enter 5 in this processing option, the system prints amounts for accounts assigned level of detail 3 and 4, summarizes accounts from levels of detail 5, 6, 7, 8, and 9 and prints the total for the account assigned level of detail 5. If you leave this processing option blank, the system uses a default value of **9** and prints all accounts.

### 2. Job Address Information

Specify whether to print the job address and who's who information on the report. Values are:

Blank: Do not print the job address and who's who information.

**1:** Print the job address and who's who information.

### 3. Page Break on Different Job

Specify whether to start a new page for each job that prints on the report. Values are:

Blank: Do not start a new page for each job.

**1:** Start a new page for each job.

### 4. Cost Code and Cost Type Print

Specify whether to print the cost code and cost type on the report. Values are:

Blank: Do not print the cost code and cost type on the report.

**1:** Print the cost code and cost type on the report.

### 5. Zero Amount Print Suppression

Specify whether to print detail accounts with zero amounts on the report. Values are:

Blank: Print detail accounts with zero amounts.

**1:** Do not print detail accounts with zero amounts.

### 6. Units Print

Specify whether to print units on the report. Values are:

Blank: Do not print units on the report.

**1:** Print units on the report. The system prints actual, revised budget, and committed units on the report.

**Note:** If you set up additional budget ledgers, the system prints the sum of the units for all ledgers.

## Versions

Use these processing options to specify whether to print the Unit Cost Analysis and Cost Type Summary reports in addition to printing this report. Leave these processing options blank to omit printing the reports.

### 1. Unit Cost Analysis Version (R514121)

Specify whether to additionally print the Unit Cost Analysis report (R514121) by entering the version of the report to print.

## 2. Cost Type Summary Version (R514122)

Specify whether to additionally print the Cost Type Summary Report (R514122) by entering the version of the report to print.

# R514122 Summary by Cost Type

The Summary by Cost Type report (R514122) provides date sensitive account balance information for a specific job by cost type. The report includes:

- Revised budget
- Actual current
- Actual to date
- Percent spent/complete
- Projected final
- Remaining to complete
- Projected over/under
- Cost type

## Setting Processing Options for Summary by Cost Type (R514122)

Processing options enable you to specify the default processing for programs and reports.

### Defaults

#### 1. As of Date

Specify the date through which the system selects information to print on the report. If you leave this processing option blank, the system uses the current financial reporting date for the company assigned to the job.

#### 2. Subledger

Specify the subledger to use to select information to print on the report. If you enter a value in this processing option, you must complete the Subledger Type processing option. Enter \* to select all subledgers, or leave this processing option blank to select records without subledgers.

#### 3. Subledger Type

Specify the subledger type that corresponds to the value that you entered in the Subledger processing option. The subledger type that you enter must exist in UDC 00/ST.

### Print

#### 1. Job Address Information

Specify whether to print the address and who's who information on the report. Values are:

Blank: Print job address and who's who information.

1: Do not print job address and who's who information.

#### 2. Zero Amount Print Suppression

Specify whether to print detail accounts with zero amounts on the report. Values are:

Blank: Print detail accounts with zero amounts.

1: Do not print detail accounts with zero amounts.

## R514121 Unit Cost Analysis

The Unit Cost Analysis report (R514121) provides date sensitive account balance information for a specific job. The report includes these details:

- Revised budget
- Actual current
- Actual to date
- UM
- Budget units
- Revised budget
- Budget amount/units
- Actual units
- Actual amounts
- Actual amount/units
- Unit amount variance
- Percent complete
- Projected final
- Projected over/under
- Method of computation
- Cost code
- Cost type

## Setting Processing Options for Unit Cost Analysis (R514121)

Processing options enable you to specify the default processing for programs and reports.

### Defaults

#### 1. As of Date

Specify the date through which the system selects information to print on the report. If you leave this processing option blank, the system uses the current financial reporting date for the company assigned to the job.

#### 2. Subledger

Specify the subledger to use to select information to print on the report. If you enter a value in this processing option, you must complete the Subledger Type processing option. Enter \* to select all subledgers, or leave this processing option blank to select records without subledgers.

#### 3. Subledger Type

Specify the subledger type that corresponds to the value that you entered in the Subledger processing option. The subledger type that you enter must exist in UDC 00/ST.

### 1. Account Level of Detail

Specify the default level of detail (values 3 through 9) to use to print account details. The system summarizes accounts for levels of detail that are higher (less detailed) than the value that you enter. For example, if you enter 5 in this processing option, the system prints amounts for accounts assigned level of detail 3 and 4, summarizes accounts from levels of detail 5, 6, 7, 8, and 9 and prints the total for the account assigned level of detail 5. If you leave this processing option blank, the system uses a default value of 9 and prints all accounts.

## Print

### 1. Job Page Break

Specify whether to start a new page for each job that prints on the report. Values are:

Blank: Do not start a new page.

1: Start a new page.

### 2. Report Heading Format

Specify whether to print the address and who's who information on the report. Values are:

Blank: Do not print the address.

1: Print the address.

### 3. Print Cost Code and Cost Type

Specify whether to print the cost code and cost type on the report. Values are:

Blank: Do not print the cost code and cost type.

1: Print the cost code and cost type.

### 4. Zero Amount Suppression

Specify whether to print detail accounts with zero amounts on the report. Values are:

Blank: Print detail accounts with zero amounts.

1: Do not print detail accounts with zero amounts.

## Process

### 1. Unit Cost Calculation

Specify whether to calculate unit cost information for the header (cost code) or detail (cost type) accounts. Values are:

Blank: Calculate unit cost information for the cost type (detail) accounts.

1: Calculate unit cost information for the cost code (header) accounts.

## Versions

### 1. Cost Type Summary Version (R514122)

Specify whether to additionally print the Cost Type Summary report (R514122) by entering the version of the report to print. Leave this processing option blank to omit printing the report.

## R51420 Detail by Job

Use the Detail by Job report (R51420) to review the main details of a job. The report includes these details:

- Cost Code
- Cost Type
- Document Type
- Document Number
- General ledger Date
- Budget Unit
- Budget Amount
- Year-to-Date Unit
- Year-to-Date Amount

## Setting Processing Options for Detail by Job (R51420)

Processing options enable you to specify the default processing for programs and reports.

### Defaults

Enter an as-of-date, limit reporting to a specific subledger, or designate a subledger type for the reports with these processing options.

#### 1. As of Date

Specify the date through which the system selects information to print on the report. If you leave this processing option blank, the system uses the current financial reporting date for the company assigned to the job.

#### 2. Subledger

Specify the subledger to use to select information to print on the report. If you enter a value in this processing option, you must complete the Subledger Type processing option. Enter \* to select all subledgers, or leave this processing option blank to select records without subledgers.

#### 3. Subledger Type

Specify the subledger type that corresponds to the value that you entered in the Subledger processing option. The subledger type that you enter must exist in UDC 00/ST.

### Print

These processing options enable you to set cost codes, cost types, subledger types, cost code and cost type summaries, amount and account details, commitments, and address information for a job.

#### 1. Default Cost Code Range

From Cost Code

Specify the beginning cost code (subsidiary) account in the range of accounts to print on the report. If you leave this processing option blank, the system prints all cost codes through the value entered in the Thru Cost Code field.



## Thru Cost Code

Specify the ending cost code (subsidiary) account in the range of accounts to print on the report. If you leave this processing option blank, the system displays all cost codes from the value entered in the From Cost Code field.

## 2. Default Cost Type Range

### From Cost Type

Specify the beginning cost type (object) account in the range of account to print on the report. If you leave this processing option blank, the system displays all cost types through the cost type entered in the Thru Cost Type field.

### Thru Cost Type

Specify the ending cost type (object) account in the range of accounts to print on the report. If you leave this processing option blank, the system displays all cost types from the value entered in the From Cost Type field.

## 3. Subledger and Subledger Type

Specify whether to include the subledger and subledger type columns on the report. Values are:

Blank: Do not include the subledger and subledger type columns.

1: Include the subledger and subledger type columns.

## 4. Cost Type and Cost Code Summaries

Specify whether to print summary totals for each job by cost type and by cost code. For each job, the cost type and cost code summary appears on separate pages before the detail. Values are:

Blank: Do not print the cost type and cost code summaries.

1: Print the cost type and cost code summaries.

## 5. Amount Detail

Specify the fields to retrieve for the amounts and units that print on the report. Values are:

Blank: Print year-to-date values. The system does not include the beginning balances.

1: Print the values for the current period and the beginning balances.

2: Print the inception-to-date values.

3: Print only the values for current period.

4: Print the values for the year-to-date and beginning balances.

## 6. Account Detail

Specify the account detail to print on the report. Values are:

Blank: Print all accounts.

1: Print only accounts that do not have budget amounts or units.

2: Print only accounts that have current period actual amounts or units.

3: Print only accounts that have current period actual amounts or units, but do not have budget amounts or units.

## 7. Commitments and Contracts

Specify whether to include columns for the units and amounts associated with commitments or contracts on the report. Values are:

Blank: Do not include columns for units and amounts associated with commitments or contracts.

1: Include columns for units and amounts associated with commitments or contracts.

### 8. Vendor Name on Commitment Lines

Specify whether to include the vendor name from change order commitment line details on the report. Values are:

Blank: Do not include the vendor name.

1: Include the vendor name.

### 9. Job Address and Who's Who Information

Specify whether to print the job address and who's who information on the report. Values are:

Blank: Do not print the job address and who's who information.

1: Print the job address and who's who information.

### 10. Include Unposted Transactions

Specify whether to include unposted transactions on the report. Values are:

Blank: Do not include unposted transactions.

1: Include unposted transactions.

### 11. Suppress Description and Reference Lines

Specify whether to include transaction description and reference lines on the report. Values are:

Blank: Include the transaction description and reference lines.

1: Do not include the transaction description and reference lines.

## R51425B Transaction Analysis

Use the Transaction Analysis report (R51425B) to review detailed transaction information by account. The report includes these account details:

- Job number
- Description
- Cost code
- Cost type
- General ledger date
- Document number and type
- Vendor number
- Invoice number
- Purchase order number
- Amount and unit values
- Journal entry detail

## Setting Processing Options for Transaction Analysis (R51425B)

Processing options enable you to specify the default processing for programs and reports.

### Defaults

#### 1. Ledger Type

Specify the ledger types to include on the report. Leave this processing option blank to include all ledger types.

#### 2. Date Range

From Date

Specify the beginning date to use to select records to include on the report. Leave this processing option blank to include all transactions up to the system date.

Thru Date

Specify the ending date to use to select records to include on the report. Leave this processing option blank to include all transactions up to the system date.

#### 3. Document Type

Specify the document type to use to select records to include on the report. Leave this processing option blank to include all records regardless of the document type.

#### 4. Subledger

Specify the subledger to use to select information to print on the report. If you enter a value in this processing option, you must complete the Subledger Type processing option. Enter \* to select all subledgers, or leave this processing option blank to select records without subledgers.

#### 5. Subledger Type

Specify the subledger type that corresponds to the value that you entered in the Subledger processing option. The subledger type that you enter must exist in UDC 00/ST.

### Print

#### 1. Subledger / Subledger Type

Specify whether to include the subledger and subledger type columns on the report. Values are:

Blank: Do not include the subledger and subledger type columns.

1: Include the subledger and subledger type columns.

#### 2. Transaction Type

Specify whether to limit the transactions that print on the report by posted code. Values are:

Blank: Print all transactions regardless of the posted code.

1: Print only posted transactions.

2: Print only unposted transactions.

#### 3. Balance Forward

Specify whether to print the balance forward for the account on the report. Values are:

Blank: Do not print balance forward.

1: Print the balance forward.

#### 4. Vendor

Specify whether to include the vendor name on the report. Values are:

Blank: Do not include the vendor name.

1: Include the vendor name.

## R51430 Period Trend Analysis

You print the Period Trend Analysis report (R51430) to review date sensitive job cost information for selected accounts over a specified time interval. You can specify an as of date and an interval on which to report. The default interval is seven days for weekly reporting. The program treats the as of date as the ending date of the reporting interval and uses the interval to calculate all prior dates. You can use processing options to compute different ratios for comparing period information.

The Period Trend Analysis report includes these details:

- Budget amounts and units
- Actual amounts and units for selected intervals
- Rolling averages for the interval
- Job-to-date amounts and units
- Percent spent and percent complete information
- Remaining amounts and units
- Projected final amounts and units
- Projected over/under amounts and units

## Setting Processing Options for Period Trend Analysis (R51430)

Processing options enable you to specify the default processing for programs and reports.

### Defaults

#### 1. As of Date

Specify the date through which the system selects information to print on the report. If you leave this processing option blank, the system uses the current financial reporting date for the company assigned to the job.

#### 2. Days From

Specify the number of days to use for each interval. Leave this processing option blank to use a seven day interval.

### Print

#### 1. Detail Amount to Header Units Ratio

Specify whether to include the detail amount to header units ratio on the report. Values are:

Blank: Do not include the detail amount to header units ratio.

1: Include the detail amount to header units ratio.

## 2. Detail Units to Header Units Ratio

Specify whether to include the detail units to header units ratio on the report. Values are:

Blank: Do not include the detail units to header units ratio.

1: Include the detail units to header units ratio.

## 3. Header Units to Detail Units Ratio

Specify whether to include the header units to detail units ratio on the report. Values are:

Blank: Do not include the header units to detail units ratio.

1: Include the header units to detail units ratio.

## 4. Period Physical Percent

Specify whether to include the period physical percent ( $(\text{*Interval Actual Amount} / \text{Projected Final Amount}) * 100$ ) on the report. Values are:

Blank: Do not include the period physical percent.

1: Include the period physical percent.

## 5. Job to Date Physical Percent

Specify whether to include the job-to-date physical percent ( $(\text{Job to Date Interval Amount} / \text{Projected Final Amount}) * 100$ ) on the report. Values are:

Blank: Do not include the job-to-date physical percent.

1: Include the job-to-date physical percent.

## 6. Current Period Gain or Loss

Specify whether to include the current period gain or loss on the report. This value is represented by the change in the projected final amount (HA ledger) within the interval range. Values are:

Blank: Do not include the current period gain or loss.

1: Include the current period gain or loss.

## 7. Ratio Amounts on Accounts

Specify whether to include ratio amounts on accounts with zero actual amounts or units on the report. Values are:

Blank: Include ratio amounts on accounts with zero actual amounts or units.

1: Do not include ratio amounts on accounts with zero actual amounts or units.

# R51443 Executive Summary Report

Generate an Executive Summary Report (R51443) to review and manage the profit information related to projects, jobs, or subledgers within jobs. The Executive Summary Report is available in one of two formats, depending on the processing options you use:

- Report
- Worksheet

You can manually write in numbers on the worksheet and then enter them in the system.

# Setting Processing Options for Executive Summary Report (R51443)

Processing options enable you to specify the default processing for programs and reports.

## Print

### 1. Report Totalling

Specify the type of report totaling to include on the report. Values are:

**1:** Include a total by effective date and a grand total.

**2:** Include a total by version number and a grand total.

Blank or **3:** Include a total by effective date, version number, and a grand total.

### 2. Worksheet Format

Specify whether to print the report in worksheet format. Values are:

Blank: Do not print the report in worksheet format.

**1:** Print the report in worksheet format.

### 3. Quarter or Period Amounts

Specify which amounts to include on the report. Values are:

Blank: Include earned current period amounts.

**1:** Include earned quarter amounts.

### 4. Provision for Loss

Specify whether to add the value in the Provision for Loss field to the Earned Job to Date Cost field. The system calculates and displays a provision for loss value if estimated cost for the contract exceeds estimated revenue. Values are:

Blank: Add the provision for loss value to the earned job to date cost. As a result, the value in the Earned Job to Date Cost field is not equal to the percent complete multiplied by the projected final cost in the Group Job Adjustments program (P5144) and the Single Job Adjustments program (P51440).

**1:** Do not add the provision for loss to the earned job to date cost.

**Note:** You must set this processing option to the same value for these programs: Profit Recognition Build (R51800), Executive Summary Report (R51443), Create Journal Entries for Profit Recognition (R51444), Single Job Adjustment Screen (P51440), and Group Job Adjustment Screen (P5144).

### 5. (Release 9.2 Update) Earned Amount Calculation

Specify whether to calculate the earned cost and revenue amounts when the cost and revenue for the prior period are reversed, and the current period is a reversal of the prior period. Values are:

Blank: Calculate earned cost and revenue amounts.

**1:** Do not calculate earned cost and revenue amounts.

**Note:** You must set this processing option to the same value for these programs: Profit Recognition Build (R51800), Executive Summary Report (R51443), Create Journal Entries for Profit Recognition (R51444), Single Job Adjustment Screen (P51440), and Group Job Adjustment Screen (P5144).

## R51445 Profit Recognition Job Status

You can print the Profit Recognition Job Status report (R51445) to review cost, revenue, and gross profit information for each job by an effective date. The report prints this information by job:

- Projected at Completion
- Year To Date
- Prior Period Balance
- Current Period Balance

Use data selection to specify that the system selects that profit records that correspond to following summarization levels:

- Project level
- RPO level

For more information on reviewing the report for RPO, review the following section:

*[Reviewing the Profit Recognition Job Status Report \(R51445\) for Revenue Performance Obligations](#)*

## Setting Processing Options for Profit Recognition Job Status Report (R51445)

Processing options enable you to specify the default processing for programs and reports.

### Select

#### 1. Effective Date

Specify the effective date to use to select information to print on the report. If you leave this processing option blank, the system uses the financial reporting date that is assigned to company 00000.

## R51520 Cost of Construction Detail

Use this format to view cost details per account over a selected period

The Draw Status field designates whether the draw detail row is final (Draw Status field is 1), is not in the current draw (Draw Status field is empty), is on hold (Draw Status field is H), or is excluded from the draw (Draw Status field is X).

## Setting Processing Options for Cost of Construction Detail (R51520)

Processing options enable you to specify the default processing for programs and reports.

### Print

#### 1. Date Range

From Date

Specify the beginning date to use to select records to include on the report. Leave this processing option blank to include all transactions up to the system date.

Thru Date

Specify the ending date to use to select records to include on the report. Leave this processing option blank to include all transactions up to the system date.

#### 2. Total Line Spacing

Specify whether to include a single space or double space after total lines. Values are:

Blank: Double space.

1: Single space.

#### 3. Cost Type Headings

Specify whether to include cost type headings on the report. Values are:

Blank: Do not include cost type headings.

1: Include cost type headings.

## R51525 Cost of Construction Summary

Use this format to review summarized cost information per account over a selected period. The Draw Status field designates whether the draw detail row is final (Draw Status field is 1), is not in the current draw (Draw Status field is empty), is on hold (Draw Status field is H), or is excluded from the draw (Draw Status field is X).

## Setting Processing Options for Cost of Construction Summary (R51525)

Processing options enable you to specify the default processing for programs and reports.

### Print

#### 1. Date Range

From Date



Specify the beginning date to use to select records to include on the report. Leave this processing option blank to include all transactions up to the system date.

Thru Date

Specify the ending date to use to select records to include on the report. Leave this processing option blank to include all transactions up to the system date.

### 2. Account Level of Detail

Specify the default level of detail (values 3 through 9) to use to print account details. The system summarizes accounts for levels of detail that are higher (less detailed) than the value that you enter. For example, if you enter 5 in this processing option, the system prints amounts for accounts assigned level of detail 3 and 4, summarizes accounts from levels of detail 5, 6, 7, 8, and 9 and prints the total for the account assigned level of detail 5. If you leave this processing option blank, the system uses a default value of **9** and prints all accounts.

### 3. Level of Detail Print Suppression

Specify the level of detail to use (3 through 9) for print suppression. The report does not include accounts with zero balances at the level of detail (LOD) specified or higher. For example, if you enter 5, the system does not include the account with zero balances on the report for this LOD and also for the accounts at a higher level of detail (6 through 9). If you leave this processing option blank, the system includes all accounts regardless of whether the balance is zero.

## R51530 Job Detail by Subledger

Use the Job Detail by Subledger report (R51530) to review the details of a classified job using subledgers. The report includes these details:

- Subledger
- Cost Code
- Cost Type
- Document Date
- Document Number
- Document Type
- Invoice Number
- Payment Number
- Contract Number
- Description
- Amount

## Setting Processing Options for Job Detail by Subledger (R51530)

Processing options enable you to specify the default processing for programs and reports.

### Default

This processing option enables you to specify the date through which the report should be based.

#### 1. As of Date

Specify the date through which the system selects information to print on the report. If you leave this processing option blank, the system uses the current financial reporting date for the company assigned to the job.

## Print

This processing option enables you to specify the heading that you do not want to print.

### 1. Omit Headings Before Detail Lines

Specify whether to print headings for the address number, subledger, and subledger type before the detail lines of this report. The report totals by subledger type, subledger, and address number, as well as by job and company. Company and job titles appear at the top of each page of the report. Address number, subledger, and subledger type titles can be omitted to conserve space. Values are:

Blank: Print all total headings before detail lines.

**1:** Do not print all total headings before the detail lines.

## R51540 Budget Revision Detail

Use the Budget Revision Detail report (R51540) to review all additions and changes made to the budget of a job. The report includes these details:

- Cost Code
- Cost Type
- Description
- Original Budget Estimate
- Budget Changes This Period
- Accumulated Changes to Estimate
- Revised Budget Estimate

## Setting Processing Options for Budget Revision Detail (R51540)

Processing options enable you to specify the default processing for programs and reports.

### Defaults

These processing options enable you to specify the date through which the report should be based, and whether you want an additional ledger type for costs reflected on the report.

#### 1. As of Date

Specify the date through which the system selects information to print on the report. If you leave this processing option blank, the system uses the current financial reporting date for the company assigned to the job.

#### 2. Ledger Type

Specify the budget ledger type to use to select values on the report. If you leave this processing option blank, the system accumulates the values for all revised budget ledger types.

## Print

These processing options enables you to specify the lowest level of detail that you want to print and the level of detail for print suppression.

### 1. Account Level of Detail

Specify the default level of detail (values 3 through 9) to use to print account details. The system summarizes accounts for levels of detail that are higher (less detailed) than the value that you enter. For example, if you enter 5 in this processing option, the system prints amounts for accounts assigned level of detail 3 and 4, summarizes accounts from levels of detail 5, 6, 7, 8, and 9 and prints the total for the account assigned level of detail 5. If you leave this processing option blank, the system uses a default value of **9** and prints all accounts.

### 2. Level of Detail Print Suppression

Specify the level of detail to use (3 through 9) for print suppression. The report does not include accounts with zero balances at the level of detail specified or higher. For example, if you enter 5, the system does not include the account on the report if the balance of it and the accounts at a higher level of detail (6 through 9) are zero. If you leave this processing option blank, the system includes all accounts regardless of whether the balance is zero.



# 20 Appendix B - Tables Used by the Job Cost System

## Tables Used by the Job Cost System

The JD Edwards EnterpriseOne Job Cost system uses tables to store job related and account information.

### Job Cost System Tables

The JD Edwards EnterpriseOne Job Cost system uses these primary tables:

Table Name and Number	Description
Business Unit Master (F0006)	Stores job master information, including the job description, job number, job type, company, and category codes.
Ledger Type Master (F0025)	Stores rules for specific ledger types, such as: <ul style="list-style-type: none"> <li>• Budget amounts</li> <li>• Budget units</li> <li>• Annual close budget</li> <li>• Summarize and close</li> </ul>
Account Master (F0901)	Stores the JD Edwards EnterpriseOne Job Cost system cost code structure account information, cost code schedule information, and category codes. When a job master record is created, a header account is created in the Account Master led. The header account enables adjustment of the percentage of completion for jobs during profit recognition processing.
Account Balances (F0902)	Stores the JD Edwards EnterpriseOne Job Cost system original budget information. Also stores JD Edwards EnterpriseOne Job Cost system account balance details of ledgers for each account in the cost code structure. Data stored in the Account Balances table is used to calculate job progress information. Profit recognition journal entries are posted to the Account Balances table.
Account Ledger (F0911)	Tracks revisions to account balance amounts and quantities by providing a detailed audit trail of transactions. JD Edwards EnterpriseOne Job Cost ledgers can contain both amounts and quantities.

The JD Edwards EnterpriseOne Job Cost system also uses these secondary tables:

Table Name and Number	Description
Company Constants (F0010)	Stores company definitions, including number and name, fiscal date pattern, and current period.

Table Name and Number	Description
Batch Control Records (F0011)	Stores identification header records for each batch.
Automatic Accounting Instructions Master (F0012)	Stores the rules that control how the system creates journal entries for profit recognition, protects actual unit amounts during job progress calculations, identifies the accounts that are eligible for draw reporting, and forces general ledger entries to be in balance.
Next Numbers (F0002)	Stores the next available number for all automatically assigned numbers in the system, such as profit recognition numbers and draw numbers. For draw reporting, you have the option of using the System 51 next number or draw next number.
Job Cost Draws Next Number (F51002)	Stores the job and a draw next number that you assign.
Address Book Master (F0101)	Stores names, address numbers, search types, and category codes.
Customer Master (F03012)	Stores accounts receivable and billing information about a customer.
Supplier Master (F0401)	Stores accounts payable information about a supplier.
Accounts Payable Ledger (F0411)	Stores accounts payable transaction history.
Inquiry Columns (F5192)	Stores user defined column information to display on the Job Status Inquiry User Defined Columns form.
Profit Recognition (F5144)	Stores the financial information for current profit recognition processing.
Profit Recognition Account Balance (F5145)	Stores the financial information for previous profit recognition processing.
Extended Job Master (F5108)	Stores planned and actual schedule information.
Cost Code Schedule (F51901)	Stores Account Master category codes that you set up for alternate sequence viewing and reporting.
Draw Reporting Master (F51911)	Stores draw information in addition to the eligible account from the Account Ledger table (F0911).
Draw Explanation (F51911EX)	Stores explanations for changed or added draws.
Supplemental Database Data Types (F00091)	Stores the definitions of the data types used to track additional information for jobs.
Supplemental Data (F00092)	Stores additional information entered about jobs, categorized by data types.
Multiple Cost Code Setup (F51092)	Stores versions set up in the Multiple Cost Code Setup program.
Chart Type Master (F5109)	Stores chart types used in setting up cost code structures.

Table Name and Number	Description

## Project Status Inquiry Tables (Release 9.2 Update)

Project status inquiry uses tables from several JD Edwards EnterpriseOne systems as well as tables that are specific to project status inquiry.

**Note:** If you use table security on tables, consider setting up table security for the tables in Project Status Inquiry. See *Security Considerations*.

This table lists the tables used by project status inquiry as it processes records:

Table	Description
F0006 (Business Unit Master)	The system retrieves job and project information from the F0006 table. The system uses the F0006 records to select data in other tables. It also displays the F0006 values in the Project Status Inquiry form.
F03B11 (Customer Ledger)	The system retrieves data from the F03B11 table for certain types of billing lines, and displays values from the table in the Project Status Inquiry form.
F0902 (Account Balances)	The system retrieves data from the F0902 table and displays account values from the table in the Project Status Inquiry form.
F0911 (Account Ledger)	The system retrieves data from the F0911 table for the AA and AU ledgers when you specify to use specific dates instead of periods.
F4812 (Billing Detail Workfile)	The system retrieves data from the F4812 table for certain types of billing lines, and displays values from the table in the Project Status Inquiry form.
F4812H (Billing Workfile History)	The system retrieves data from the F4812H table for certain types of billing lines, and displays values from the table in the Project Status Inquiry form.
F4822 (Invoices Summary Workfile)	The system retrieves data from the F4822 table for certain types of billing lines, and displays values from the table in the Project Status Inquiry form.
F51X10 (Project Status Inquiry Worktable)	<p>This table holds the job, project, contract, and account data that you specified to include in a view, and includes the values that the system calculated for your selected data, such as totals and subtotals.</p> <p>The system populates this table with temporary records when you click View Now on the Work with Project Status Inquiry form. Unless you save the results, the system deletes the view records when you exit the Project Status Inquiry form.</p> <p>When you save results to view later, the system saves the view data such as the job, project, and calculated totals until you delete the saved results. You delete records from this table by deleting the saved view using the Work with Project Status Inquiry View program (P51X30).</p>

Table	Description
F51X100 (Account Range Table)	The system populates this table with the records that you set up using the Project Status Inquiry Account Ranges program (P51X100).
F51X30 (View List)	The system populates this table with information about the view results when you save results to view later. You access and modify records in the table using the Work with Project Status Inquiry View program (P51X30). When you delete records from this table, the system also deletes the related records from the F51X10 table.
F51X90 (Column Definition)	This table includes the column definitions that you set up in the Project Status Inquiry Column Definitions program. The system uses the values in this table when you specify columns in the Project Status Inquiry Column Layouts program (P51X091) and the Work with Project Status Inquiry program (P51X0200).
F51X91 (Column Layout table)	This table includes the column layouts that you set up in the Project Status Inquiry Column Layout program. The system uses the values in this table when you specify columns in the Work with Project Status Inquiry program and when you modify column layouts in the Project Status Inquiry program (P51X0210).



# 21 Appendix C - Delivered User Defined Objects for Job Cost (Release 9.2 Update)

## Delivered User Defined Objects for Job Cost (Release 9.2 Update)

This appendix discusses delivered user defined objects (UDOs) that you can use with the Job Cost system.

### Job Cost Notifications

JD Edwards EnterpriseOne notifications enable you to improve your business efficiency through the use of proactive notifications that are actionable. Proactive notifications enable the system to notify users of business events as they happen without the need for the user to be online.

This section discusses delivered notifications that you can use with the Job Cost system. For a complete listing of available notifications, along with additional information about them, see the Notifications Cross Reference in Oracle Support (Document 2365066.1 - JD Edwards EnterpriseOne Delivered Notifications), which can be found at:

<https://support.oracle.com/epmos/faces/DocumentDisplay?id=2365066.1>

For additional information about using and subscribing to notifications, see these topics:

- *Creating a Notification* in the *JD Edwards EnterpriseOne Tools Notifications Guide* .
- *Testing Notifications* in the *JD Edwards EnterpriseOne Tools Notifications Guide* .
- *Subscribing to Notifications (Release 9.2.2)* in the *JD Edwards EnterpriseOne Tools Foundation Guide* .

This table describes notifications that you can use with the Job Cost system:

Notification	Description
JDE_NOTIFY_51_Job_Logs_Soon_to_Expire	Notifies subscribers of any upcoming, job-related, critical date events within the next 60 days for a specified job. This notification runs every weekday at 8:00 am.



# 22 Glossary

## Cost Code

Identifies a step, phase, or type of activity within a job, for example, site work, earthwork, paving, landscaping, and so on. The cost code is the subsidiary in a general ledger account.

A subsidiary is optional for a general ledger account, however, the cost code is required for each job cost detail account.

## Cost Type

Identifies a cost category within a cost code, such as labor, materials, equipment, and subcontracts. It can further divide a cost category into subcategories, such as regular time, premium time, and burden for labor. The cost type is the object in a general ledger account.

## Job

Identifies a separate entity within a business for which you want to track costs. A job is a specific type of business unit that is structured for tracking and reporting costs by cost type. The system stores jobs (as a business unit) in the F0006 table.

## Job Type

Enter this user defined code (00/MC) to group similar jobs across different projects.

## LD, LOD, Level of Detail

Enter a level of detail to each new job that you add and to each account that you add.

The level of detail is a number that you use to summarize and classify accounts in the general ledger. Level 9 is the most detailed and Level 1 is the least detailed. Levels 1 and 2 are reserved for company and job totals. Levels 8 and 9 are reserved for job cost posting accounts in the JD Edwards EnterpriseOne Job Cost system.

Examples of the other detail levels are:

**3:** Assets, Liabilities, Revenues, Expenses

**4:** Current Assets, Fixed Assets, Current Liabilities

**5:** Cash, Accounts Receivable, Inventories, Salaries

**6:** Petty Cash, Cash in Banks, Trade Accounts Receivable

Do not skip levels of detail when you assign a level of detail to an account. Nonsequential levels of detail cause roll up errors in financial reports.

As search criteria, enter the level of detail to select the accounts to display on the form. The system rolls up the accounts to provide a summarized total based on the level of detail that you enter. For example, if you enter 5 as the level of detail, the system displays only those accounts that are at a level of detail between 3 and 5. The system rolls up the lower levels of detail (6 through 9) into the account at level of detail 5 and displays summarized values.

## PE, Posting Edit, Posting Edit Code

Post transactions to the general ledger for the job or business unit. The system stores posting edit codes for accounts in user defined code table H00/PE, and for jobs in 00/PF.

## Project

Enter this number to group jobs under one common business unit. In this case, the project business unit can also have accounts for tracking overhead costs that can be allocated to jobs. A project will have more than one job assigned to it.

# Index

## Numerics

51X/BF Budget Flag *71*  
 51X/CC (PMC Sequence) *71*  
 51X/CS (Category Codes) *71*  
 51X/CT (Column Type) *72*  
 51X/FF (Formula Factor) *72*  
 51X/OP (Alert Operator) *72*  
 51X/SM (Summarize) *72*  
 51X/TM (Totaling Method) *73*

## A

AAI categories  
   budget balance ledger *20*  
   draw reporting *20*  
   field progress protection *20*  
   job summarization *20*  
   profit recognition *20*  
 Account Adjustment form *223*  
 Alert Operator(51X/OP) *72*  
 audit trail *147*  
 audit trail management  
   overview *3*  
 automatic accounting instructions  
   categories *20*  
   draw reporting selection *22*  
   draw reportingDW *22*  
   field progress protection *22*  
   JC01-99 *201*  
   profit recognition *20, 20*  
   profit recognitionBS *20*  
   profit recognitionIS *20*  
   profit recognitionJCAPC *20*  
   profit recognitionJCAPO *20*  
   profit recognitionJCBE *20*  
   profit recognitionJCBOUA *20*  
   profit recognitionJCCA *20*  
   profit recognitionJCCE *20*  
   profit recognitionJCCOUA *20*  
   profit recognitionJCLOSS *20, 20*  
   profit recognitionJCPFC *20*  
   profit recognitionJCPFP *20*  
   profit recognitionJCPFR *20*  
   profit recognitionJCSMI *20*  
   profit recognitionJCSMJ *20*  
   profit recognitionJCST *20*  
   system setup *20*

## B

billing amount columns *278*  
 billing amounts  
   processing option to suppress *282*  
 budget balance ledger AAIs *20*  
 budget change order *147*  
 Budget Flag (51X/BF) *71*  
 Budget Revision Detail  
   processing options *336*  
 Budget Revisions (P510171) *147*  
 budgets  
   change order *147*

revisionentering *147*

## C

Category Codes (51X/CS) *71*  
 changing estimated profit *221, 221*  
 chart type codes, defining *50*  
 Chart Type Setup form *51, 56*  
 Charts subform *304*  
 check boxes for graph control *278*  
 closing or opening a job *234*  
 column definitions  
   deleting *79*  
   illustration *77*  
   using *77*  
 column layouts  
   saving changes *278*  
 Column Type (51X/CT) *72*  
 commitment document types (40/CT)  
   user defined codesoverview *15*  
 contract type (51/CT)  
   user defined codesoverview *15*  
 Copy Cost Codes form *56*  
 Copy Multiple Cost Code Setup Versions form *59*  
 Copy Random Accounts form *56, 57*  
 cost analysis  
   overview *3*  
 Cost Code Schedule Revision form *153*  
 cost code structure  
   detail accounts *44*  
   header accounts *44*  
   levels of detail *45*  
   modifying *55*  
   setting up *43*  
   setup *50*  
 creating profit recognition journal entries *229*

## D

Define Inquiry Columns form *164*  
 defining automatic accounting instructions (AAIs) *20*  
 deleting column versions for Job Status Inquiry *163*  
 detail accounts  
   cost code structure *44*  
 Detail by Job  
   processing options *326*  
 draw  
   defined *253*  
 draw next numbers  
   setting up *27, 27*  
 draw processing  
   overview *253*  
   revising draw information *256*  
 draw reporting selection AAIs *20, 22*  
 Draw Revisions form *258*  
 Draw Revisions program (P515003) *256*  
 Draw Status Update form *258*

## E

entering a budget revision *147*

entering job progress information *201*  
 for accounts *201*  
 for jobs *201*  
 estimated profit  
 changing multiple jobs *221*  
 revising *221, 221*  
 Executive Summary report  
 generating *331, 331*  
 Extended Job Master form *33, 63*

**F**

F0026 table *18*  
 Field Progress Protection AAIs *22*  
 Forecast Detail form *247*  
 Forecast Header form *244*  
 Forecast Summary form *249*  
 forecasts  
 reviewing generated detail *247*  
 reviewing generated summary *249*  
 forms  
 Work With User Overrides *163*  
 Formula Factor (51X/SM) *72*

**G**

generating draw reports  
 final *254*  
 preliminary *255*  
 generating the Executive Summary report *331*  
 Group Job Adjustments form *223*

**H**

header accounts  
 cost code structure *44*

**I**

inquiry ledger types (51/IL) *17*

**J**

Job Cost Code Structures (P51091) *50*  
 Job Cost Constants (P0026) *18*  
 Job Cost Constants form *19*  
 Job Cost discount AAIs (PKJ and PKJL) *23*  
 Job Cost Draw Next Number (P51002) *27*  
 Job Cost Draw Next Numbers form *28*  
 Job Cost Ledger Type Rules form *26*  
 Job Cost Master (P51006) *147*  
 Job Cost Master program (P51006) *234*  
 Job Cost reports *317*  
 overview *317*  
 Job Master Revisions form *33*  
 job progress  
 entering information *201*  
 Job Revisions by Company form *33*  
 Job Status Inquiry  
 inquiry ledger types *17*  
 printing *319*  
 user defined columns deleting a version *163*  
 Job Status Inquiry form *164*  
 Job Status Inquiry report  
 generating *319*

job summarization AAIs *20*  
 journal entries  
 profit recognition *229*

**L**

Labor Progress Entry Revisions form *205*  
 Ledger Type Master Setup (P0025) *26*  
 ledger types  
 inquiry *17*  
 levels of detail  
 cost code structure *45*  
 reserve levels for job cost *45*  
 skipping levels *45*

**M**

Master Job Cost report  
 generating *320*  
 Master Job Cost Report  
 processing options *321*  
 methods of computation  
 Method G (budget default  
 forced) *178*  
 Method P (percent complete) *179*  
 Method Q (quantities) *180*  
 percentage complete *180*  
 percentage complete use of *179*  
 threshold percent complete use of *179, 180*  
 model cost code structures, entering *50*  
 modifying a cost code structure *55*  
 Multiple Cost Code Setup Version Detail form *59*

**N**

Next Number Revisions (P0002) *27*  
 next numbers  
 setting up *27, 27*

**O**

opening or closing a job *234*  
 Original Budget/Account Master Sequence form *57, 63, 142*  
 overview  
 audit trail management *3*  
 cost analysis *3*  
 primary tables used by job cost *339*  
 secondary les used by job cost *339*  
 system integration *7*  
 tables and descriptions *339*

**P**

P0002 program *27*  
 P0025 program *26*  
 P0026 program *18*  
 P51002 program *27*  
 P51006 program *147, 234*  
 P510171 program *147*  
 P510211 program *201*  
 P510212 program *201*  
 P51091 program *50*  
 P512100 program *201*  
 P5144 program *221*  
 P51440 program *221*

- P515001 program [256](#)
- P515003 program [256](#)
- P98950 program [163](#)
- Period Trend Analysis report
  - generating [330](#)
- PMC Sequence (51X/CC) [71](#)
- printing job status inquiry information [319](#)
- printing master job cost reports [320](#)
- printing the cost type summary report [323](#)
- printing the period trend analysis report [330](#)
- printing the transaction analysis report [328](#)
- printing the unit cost analysis report [324](#)
- processing options
  - Account Progress Entry (P510211) [196](#)
  - Budget Revision Detail report (R51540) [336](#)
  - Cost Code Schedules (P51901) [153](#)
  - Cost of Construction — Detail report (R51520) [334](#)
  - Cost of Construction — Summary report (R51525) [334](#)
  - Create Journal Entries for Profit Recognition (R51444) [233](#)
  - Delete Job Cost Projections (R51997) [266](#)
  - Detail by Job [326](#)
  - Draw Detail Report (R51510) [260](#)
  - Draw Generation (R51500) [255](#)
  - Draw Revisions (R515003) [259](#)
  - Draw Status Update (P515001) [259](#)
  - Executive Summary Report (R51443) [332](#)
  - Field Progress Report (R51432B) [194](#)
  - Job Cost Code Structures (P51091) [51](#)
  - Job Detail by Subledger report (R51530) [335](#)
  - Job Progress Entry (P510212) [199](#)
  - Job Status Inquiry Print (R512000P) [319](#)
  - Master Job Cost Report (R51412) [321](#)
  - Method of Computation Conversion (R519901) [264](#)
  - Multiple Cost Code Setup (P51092) [59](#)
  - Performance Based Labor Entry (P510312) [206](#)
  - Period Trend Analysis report (R51430) [330](#)
  - Profit Recognition Build program [217](#)
  - Profit Recognition Job Status report (R51445) [333](#)
  - Recalculate Projections (R51803) [265](#)
  - Single Job Adjustments (P51440) [225](#)
  - Summary by Cost Type report (R514122) [323](#)
  - Transaction Analysis report (R51425B) [329](#)
  - Unit Cost Analysis report (R514121) [324](#)
- profit recognition
  - AAIs [20](#), [20](#)
  - history [229](#)
  - history informationremoval [221](#)
  - journal entries [229](#), [229](#)
  - locking information [221](#)
- Profit recognition
  - unlocking information [221](#)
- profit recognition AAIs [20](#)
- profit recognition IS Entry
  - user defined codesoverview [17](#)
- Profit Recognition Master (P5144) [221](#)
- Progress Entry by Job form [199](#)
- Progress Entry form [195](#)
- Project Management Console form [291](#)
- Project Management Console program (P51X0210)
  - filtering visual alert columns [299](#)
  - include columns in the chart [304](#)
  - processing options [280](#)
- Project Management Console Worktable (F51X10)
  - populating the worktable [285](#)
  - saving column layouts [289](#)
  - tables read [270](#)

- project portfolio advisor
  - 51X/BF (Budget Flag) [71](#)
  - 51X/CC (PMC Sequence) [71](#)
  - 51X/CS (Category Codes) [71](#)
  - 51X/CT (Column Type) [72](#)
  - 51X/FF (Formula Factor) [72](#)
  - 51X/OP (Alert Operator) [72](#)
  - 51X/SM (Summarize) [72](#)
  - 51X/TM (Totaling Method) [73](#)
- as if currency processing
  - as if currency processing [276](#)
- cost sequences [275](#)
- dates and periods
  - inception to date [273](#)
  - periods [273](#)
  - year to date [273](#)
- including columns in the chart [304](#)
- level of detail totaling [272](#)
- processing records [285](#)
- saving columns in the F51X10 worktable [289](#)
- summarizing records [274](#)
- suppress billing amounts [282](#)

## R

- reports
  - Budget Revision Detail [336](#)
  - Cost of Construction — Detail (R51520) [333](#)
  - Cost of Construction — Summary (R51525) [334](#)
  - Detail by Job [326](#)
  - Executive Summaryprofit recognition [331](#)
  - Job Detail by Subledger [335](#)
  - Job Status Inquiry Information [319](#)
  - Master Job Cost [320](#)
  - Period Trend Analysis [330](#)
  - Profit Recognition Job Status (R51445) [333](#)
  - profit recognitionExecutive Summary report [331](#)
  - Summary by Cost Type [323](#)
  - Transaction Analysis [328](#)
  - Unit Cost Analysis [324](#)
- reserving levels of detail for job cost [45](#)
- revising estimated profit information [221](#)
  - for single jobs [221](#)

## S

- Save Column Version form [164](#)
- saving column layout changes [278](#)
- Set Up Next Numbers by System form [27](#)
- setting up draw next numbers [27](#)
- setting up job cost code structures [50](#)
- setting up ledger types for job cost [26](#)
- setting up next numbers [27](#)
- setting up system constants [18](#)
- Single Job Adjustments form [223](#)
- Single Job Adjustments program (P51440) [221](#)
- Split Draw Entry form [258](#)
- Summarize (51X/SM) [72](#)
- summarize by options [81](#)
- Summary by Cost Type report
  - generating [323](#)
- suppressing billing amounts [282](#)
- system
  - Job Cost integration [7](#)
- system constants
  - setup [18](#)

## system features

- audit trail management [3](#)
- cost analysis [3](#)

## system setup

- automatic accounting instructions [20](#)
- cost code structures [50, 50](#)
- draw next numbers [27, 27](#)
- next numbers [27, 27](#)
- system constants [18](#)

## T

## tables

- Account Balances (F0902) [147, 229, 255](#)
- Account Ledger (F0911) [256](#)
- Draw Explanation (F51911EX) [256](#)
- Draw Reporting Master (F51911) [255, 256](#)
- Forecast Detail (F5111) [239](#)
- Forecast Header (F5101) [239](#)
- Job Cost Company Constants (F0026) [18](#)
- overview [339](#)
- overviewprimary [339](#)
- overviewsecondary [339](#)

Totaling Method (51X/TM) [73](#)

## totaling methods

- affect of the summary option [81](#)

## Transaction Analysis report

- generating [328](#)

## U

## Unit Cost Analysis report

- generating [324](#)

## units of measure (00/UM)

- user defined codesoverview [15](#)

Update Percent Complete form [214](#)

## user defined codes

- overviewcommitment documenttypes (40/CT) [15](#)
- overviewcontract type (51/CT) [15](#)
- overviewprofit recognition IS entry (51/IS) [17](#)
- overviewunits of measure (00/UM) [15](#)

## V

View Later button [282, 288](#)View Now button [288](#)

## visual alert columns

- filtering alerts [299](#)
- icons [108](#)

## W

Work With A/P Inquiry by Job form [172](#)Work with Cost Code Structures form [51, 56](#)Work With Draws form [258](#)Work with Draws program (P515001) [256](#)Work with Job Cost Constants form [19](#)Work with Job Master form [33, 56, 63, 142](#)Work with Job Status Inquiry – Basic form [157](#)Work with Job Status Inquiry Columns form [164](#)Work with Ledger Types form [26](#)Work with Multiple Cost Code Setup Versions form [59](#)Work with Next Numbers form [27](#)Work With Performance Based Labor Activity form [205](#)Work with Profit Recognition Versions form [223](#)

## Work With Project Management Console form

- as if currency processing [276](#)

## Work With Project Management Console program (P51X0200)

- Columns tabs [278, 278, 278](#)
- column information hover forms [277](#)
- overview [276](#)

- inception to date option [273](#)

- period date option [273](#)

- processing options [280](#)

- QBE and Query Management [278](#)

- sequencing [275](#)

- summarization [274](#)

- summary options [274](#)

- year to date option [273](#)

Work With Revised Budget Account Balance form [171](#)Work With User Overrides form [164](#)working with profit recognition journal entries [229](#)