



Introduction

Analysis types are assigned to identify individual transaction types such as estimated costs or billed costs. A single transaction can result in multiple transaction rows as it moves through the system. Resource types can be assigned to identify the transaction's purpose such as project labor costs or overtime costs. This document contains an overview of Analysis types and Resource types available in SFS and how they move transactions through the system. The process begins in the Grants module of SFS, applicable to ESA agencies and OSC who enter and manage Federal Grants.

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Analysis Types Overview

Analysis types are assigned to individual transactions to identify different types of transactions, such as estimated costs, budgeted amounts, actual costs, billed costs and revenue amounts.

The analysis types for many of the transactions collected into project cost are controlled by the installation options for project costing (See screenshot and field descriptions below). Other analysis types are controlled by Funds Distribution or Rate Set Pricing. A Transaction Flow Diagram with processing notes has been included to help in the understanding of the use of the analysis types.

The project accounting rules and analysis groups control transactions going to billing. The accounting rules also control the revenue accounting going to the project costing sub-ledger table (ca_acctg_ln_pc) and utilized by the GL journal generation process.

The customer contract billing plan and customer contract revenue plan control the fixed fee billing and revenue transactions recorded in project costing and going to the contracts sub-ledger table (ca_acctg_line) and utilized by the GL journal generation process.

There are delivered analysis groups that are utilized by specific processes and by reports. An analysis group is a group of analysis types. A few of the key analysis groups with the associated analysis types are:

- GL (CSH, GLA, GLE, GLR) used by GL to control the project costing transaction types in GL.
- PSWKS (BIL, DEF, FJD, FJR, OLT) used by billing to control transactions going to billing.
- ADJST (DGR, DIA) used by project costing transaction adjustment functionality
- AR (EXP, REV)

System Analysis Types and Resource Types

Analysis Type	Description	Comments
AC2	Oil Spill ACT & Non-Converted	Used to capture Oil Spill adjustments.
ACT	Actual Cost	These come into PC from the expenses and vouchers upon Cost collection.
ADM	Admin Costs	Used to capture Oil Spill adjustments.
BAJ	Billing Adjustment	These are from Billing adjustments for example credit rebills used for FBIC.
BIL	Billable Amount	Billable amount that gets drawn. Related to Rate Based Billable Transactions. Gets created when transactions are priced upon cost collection.
BLD	Billed Amount	Once invoiced and relevant batch processes are run the BIL changes to BLD.
BUD	Total Cost Budget	This is from the Project budgets that get created in PC.
CCA	Commitment Adjustments	Purchase Order Commitment Adjustments
CN1	Conversion life to date	Used for Conversion only.
CN2	Conversion Life to Date Revers	Used for Conversion only. This has been used to back out the Stat amounts from Mod Accrual.
COM	Commitment incl. PO & Subcont	This is from the PO's. This gets reversed out once a voucher is created from the PO. This does not generate any Billing.
CRV	Commitment Reversals	This gets created from the reversal of the PO when the voucher is created. This does not generate any Billing.
CSH	Cash Ledger Adjustment	Gets collected into project costing if PCBU, Project, Activity exist on the transaction, but, it is not used for funds distribution, pricing or in any project or grant reports.
DEF	Billing Deferral	This gets created when the temporary bills are deferred. Related to Rate Based Billable Transactions.
DGR	Disaster Event to Grant Adjust	Used when making a project DIA analysis type adjustment from the DHS event project to the grant project and then Funds distribution to the FDF analysis type
DIA	Disaster Intermediary	Created from DSS analysis type by a burden template to be used in project adjustment from the DHS event project to the grant project as a DGR

Analysis Type	Description	Comments
DSR	Disaster Reclassification	Used to reclass the agency accounting to the DHS accounting in the event project
DSS	Disaster Transfer Available	Created by the burden rate set from the source expense analysis types to allow funds distribution creation of the DIA analysis type
FBD	Fixed Cost Billed Amount	These are related to Fixed Amount based Contracts- mainly Revenue Contracts. Fixed Amount Billed amounts generated from the contract.
FDF	Federal Distribution	This is created for projects having Funds Distribution. FDF will create BIL rows.
FDL	Local Distribution	This is created for projects having Funds Distribution for the Local portion of the costs.
FDR	Fund Distribution Reversals	This is the reversal that gets created for the State portion of the costs to reverse out the amounts from the Federal Fund. Will depend on how the FD rules are set up for example 100% Federal will not have any split and therefore no reversals. This will update KK.This will not generate any billing.
FDS	State Distribution	This is to capture the State portion of the costs. This will not generate any billing.
FJD	Federal Adjustment	This is to capture any positive adjustments that may be created directly in PC.
FJR	Federal Reversal	This is to capture any negative adjustments that may be created directly in PC.
FRV	Fixed Cost Revenue Amount	These are related to Fixed Amount based Contracts- mainly Revenue Contracts. Fixed Amount Revenue amounts generated from the contract
GLA	GL accruals	Comes into PC from the AGY_ACCRL ledger. There is no funds distribution for this analysis type and so no there will be no associated FDF, FDS, FDR or BIL rows for these.
GLE	GL Expense	GL journals come into PC with this analysis type.
GLR	GL Revenue	Comes into PC from GL Journals for revenue transactions. No Billing is generated from this.

Analysis Type	Description	Comments
ODL	Over Distribution Limit	This is created when the threshold amount is exceeded on the Funds Distribution rule. This needs to be resolved for the ODL to generate Billing.
OLT	Over Limit	This is created when the contract limit amount is exceeded. This needs to be resolved for the OLT to generate Billing.
PAY	Time and Labor Actual	This is to capture payroll transactions.
PFF	Federal Fringe	Resource Types to capture the Federal Fringe benefit costs. This will generate Billing.
PFI	Federal Indirect	Resource Types to capture the Federal Indirect costs. This will generate Billing.
PSF	State Fringe	Resource Types to capture the State Fringe benefit costs. No Billing will be generated for this.
PSI	State Indirect	Resource Types to capture the State Indirect costs. No Billing will be generated for this.
REQ	Requisition	This is created from Req. upon cost collection into PC. This will get reversed upon creation of a PO. No Billing will be generated for this.
REV	Revenue	This will come into PC from AR Direct Journals upon cost collection. No Billing will be generated from this.
RRV	Requisition Reversals	This is created from the reversal of the Req. when the PO is created from the Req. This does not generate any Billing.
UAJ	Prepaid Utilization Adjustment	This will come into PC from any billing adjustments that are made for prepaid contracts.
UTL	Prepaid Utilization (Billing)	This is created for prepaid contracts. This shows the amount that has been utilized against the prepaid amount.
WTO	Write Off	Normally used for Write Offs created in Billing or Receivables, but, most have been created in Project Costing.

Resource Types

Resource Type	Description
ACCRL	Accruals
ADMIN	Administrative Hours & Costs
ADMUL	Admin Hrs&Costs (Unliq Oblig)
ADOFF	Admin Hours & Costs Offset CY
AUOFF	Admin Hours & Costs Offset PY
CBACK	Carryback
DIRCT	Direct Payroll
DMTCH	Donation Match
FEDRL	Federal Charge
IMTCH	In-Kind Match
LEAVE	Payroll Leave Allocation
LMTCH	Local Match
LOCAT	Location Allocation
LOCUL	Location Alloc (Unliq Oblig)
OFFST	Payroll Offset
OHOFF	Payroll Overhd Alloc Offset CY
OVERH	Payroll Overhead Allocation
OVRUL	Overhead Costs (Unliq Oblig)
PFF	Federal Fringe
PFI	Federal Indirect
PIADD	Program Income Additive
PIBGN	Prog. Incom Block Grant
PIMCH	Prog.incom. support the match
PINCO	Program Income
PINIV	Incom Non Invoice
PINRS	Pg In. not Recog. Rev to State
PIOFS	Program Income Offset
PIPEI	Prg. In. Earned Intst. Refund
PIPOS	Prg. In. Point of Sale Transac
PIRDR	Prog Income to reduce draw
PIRRS	Pg In. Recognized Rev to State
PIRSS	Rev to State Seg to Grant
PIVSK	Prg. In. sub recipient keeps
POPLT	Population Allocation
PSF	Non-Federal Fringe
PSI	Non-Federal Indirect
STATE	State Charge
STMTH	State Match

Resource Type	Description
TRVL	Source Type Travel
UNLOB	Unliquidated Obligations
XMTCH	External Match

Project Costing Installation Options Configuration

Navigation: Main Menu > Set Up Financials/Supply Chain > Install > Installation Options - Project Costing Integration

Favorites ▾ | Main Menu ▾ > Set Up Financials/Supply Chain ▾ > Install ▾ > Installation Options


All ▾ »» Advanced Search

Installation Options
Project Costing Integration

System Analysis Types

Payables <input type="text" value="ACT"/> 🔍	Project Cost Budget <input type="text" value="BUD"/> 🔍	Time / Labor Actuals <input type="text" value="PAY"/> 🔍
Expenses <input type="text" value="ACT"/> 🔍	Project Revenue Budget <input type="text" value="RBD"/> 🔍	Time / Labor No Pay Actual <input type="text" value="NPY"/> 🔍
Inventory <input type="text" value="ACT"/> 🔍	Purchase Orders <input type="text" value="COM"/> 🔍	Time / Labor Estimates <input type="text" value="TLA"/> 🔍
Order Management <input type="text" value="ORD"/> 🔍	Requisitions <input type="text" value="REQ"/> 🔍	Time / Labor Billing Estimate <input type="text" value="TLB"/> 🔍
Receivables Adjustment <input type="text" value="REV"/> 🔍	Purchasing Reversals <input type="text" value="CRV"/> 🔍	Contractor Time / Labor <input type="text" value="TLC"/> 🔍
Grants Budget <input type="text" value="BUD"/> 🔍	Requisition Reversals <input type="text" value="RRV"/> 🔍	Contracts Fixed Fee Billed <input type="text" value="FBD"/> 🔍
Proposal Mgmt Bill Estimate <input type="text" value="ESB"/> 🔍	Purchasing Closure <input type="text" value="CCA"/> 🔍	Contracts Fixed Fee Revenue <input type="text" value="FRV"/> 🔍
Proposal Mgmt Cost Estimate <input type="text" value="ESC"/> 🔍	Mobile Time / Expense <input type="text" value="TLX"/> 🔍	Cost Estimate to Complete <input type="text" value="ETC"/> 🔍
Maintenance Mgmt Tools Usage <input type="text" value="TUG"/> 🔍	SPro Assignment Incident <input type="text" value="INC"/> 🔍	Bill Estimate to Complete <input type="text" value="ETB"/> 🔍
	SPro Progress Log <input type="text" value="SPL"/> 🔍	

General Integration Options

 Enable Status Control

Integration Analysis Groups

General Ledger Analysis Group 🔍

Receivables Analysis Group 🔍

Billing Analysis Group 🔍

Time and Labor Integration

 Load Time Automatically

Pricing/Funds Distribution

Date Option: ▾

 Reprice Deferrals
 Review Required for Billing
 Review Required for Period of Performance

Summarization Options

 Expenses
 General Ledger
 Third Party Loader
 Pricing Engine
 Variance Pricing
 Time and Labor
 Payables / Purchasing

Time Report Date Option

Time Report Date Option

▾

Funds Distribution Options

 Enable Funds Distribution
 Run for Incoming Transactions
 Update Threshold Amounts
 Group Target Definotns
 Allow Reversals

Balancing Analysis Type 🔍

Asset Management Integration

 Cost Type From Transaction
 Department ID From Transaction
 Require Asset Approval
 Single Currency Summarization

Field Explanations - Project Costing Integration

System Analysis Types		
Field name	Example Value	Description
Payables	ACT	Analysis type to associate with transactions that come into Project Costing from the Payables application
Expenses	ACT	Analysis type to associate with transactions that come into Project Costing from the Expense application.
Inventory	ACT	Analysis type to associate with transactions that come into Project Costing from the Inventory application. <i>Product Accounting not implemented</i>
Order Management	ORD	Analysis type to associate with transactions that come into Project Costing from the Order Management application. <i>Product not implemented</i>
Receivables Adjustment	REV	Analysis type to associate with Adjustment transactions that come into Project Costing from the Receivable application
Grants Budget	BUD	Analysis type to associate with Budget transactions that come into Project Costing from the Grants application. Grant Budget functionality not being utilized. <i>The system was customized to use the project costing budget functionality.</i>
Proposal Mgmt Bill Estimate	ESB	Analysis type to associate with Bill Estimate transactions that come into Project Costing from the Proposal Management application. <i>Product not implemented</i>
Proposal Mgmt Cost Estimate	ESC	Analysis type to associate with Estimate Cost transactions that come into Project Costing from the Proposal Management application. <i>Product not implemented</i>
Maintenance Mgmt Tools Usage	TUG	Analysis type to identify actual tools usage rows from Maintenance Management. <i>Product not implemented</i>
Project Cost Budget	BUD	Analysis type to associate with Budget transactions that come into Project Costing from the installed feeder application. <i>Not currently feeding budgets from EPM Budgets and Planning</i>
Project Revenue Budget	RBD	Analysis type to associate with Budget transactions that come into Project Costing from the installed feeder application. <i>Not currently feeding budgets from EPM Budgets and Planning</i>
Purchase Orders	COM	Analysis type to associate with Purchase Order transactions that come into Project Costing from the Purchasing application.

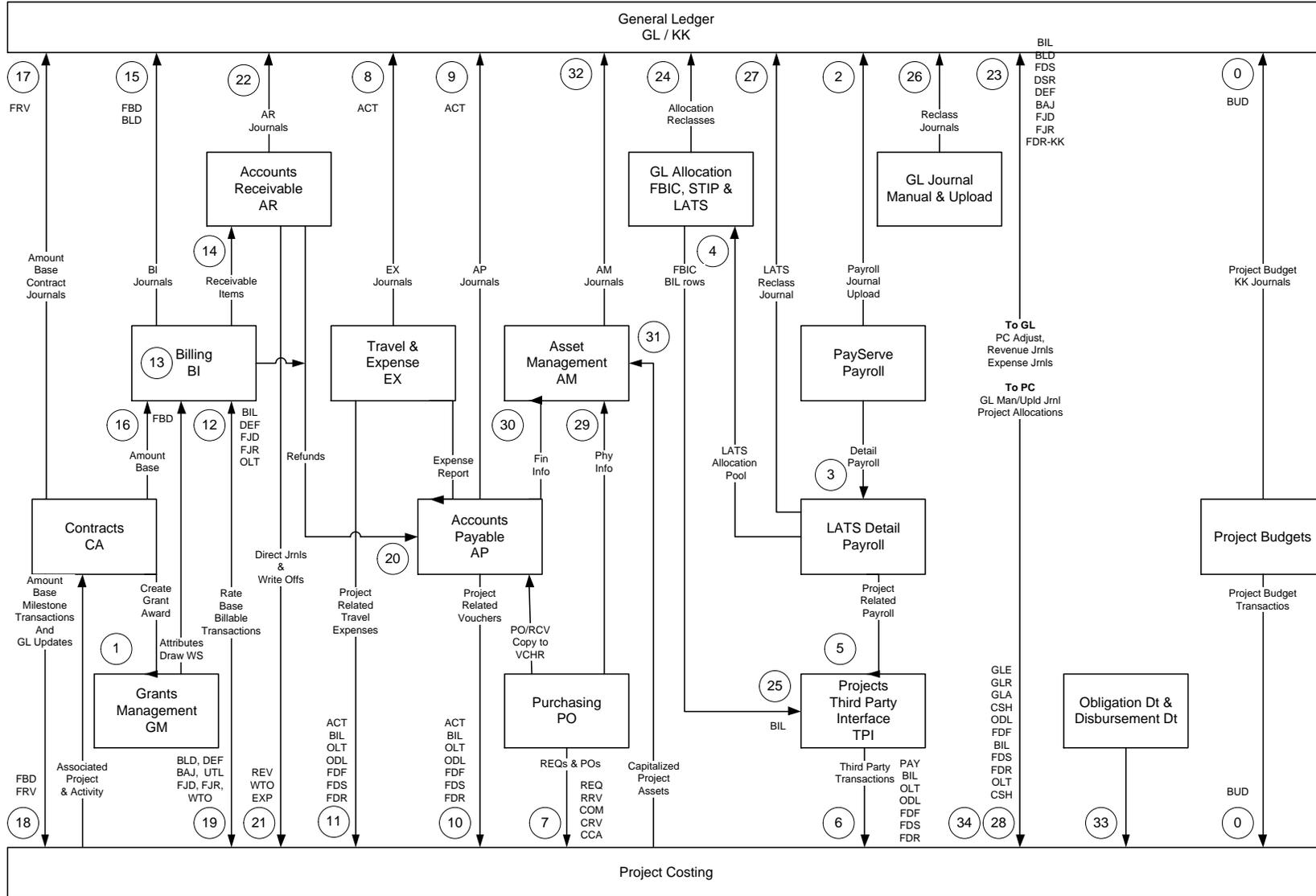
Requisitions	REQ	Analysis type to associate with Requisition transactions that come into Project Costing from the Purchasing application
Purchasing Reversals	CRV	Analysis type to associate with Purchase Order Reversal transactions that come into Project Costing from the Purchasing application after a purchase order has been associated with a payables voucher.
Requisition Reversals	RRV	Analysis type to associate with Requisition Reversal transactions that come into Project Costing from the Purchasing application after a requisition has been source to a purchase order.
Purchasing Closure	CCA	Analysis type to associate with a Purchase Order Closure transactions that come into Project Costing from the Purchasing application
Mobile Time / Expense	TLX	Analysis type to associate with Time transactions that come into Project Costing from the Mobile/Time Expense application. <i>Product not implemented. Maintenance Management uses this value too.</i>
SPro Assignment Incident	INC	Analysis type to associate with a service procurement incident. <i>Product not implemented.</i>
Time / Labor Actuals	PAY	Select analysis types to associate with Direct Salary transactions that come into Project Costing from the Time and Labor application
Time / Labor No Pay Actual	NPY	Select analysis types to associate with No Pay transactions that come into Project Costing from the Time and Labor application
Time / Labor Estimates	TLA	Select analysis types to associate with Estimate Payroll transactions that come into Project Costing from the Time and Labor application.
Time / Labor Billing Estimate	TLB	Analysis types to associate with Bill Estimated transactions that come into Project Costing from the Time and Labor application. This feature will not be used.
Contractor Time / Labor	TLC	Select analysis types to associate with transactions that come into Project Costing from the HR Time/Labor application
Contracts Fixed Fee Billed	FBD	Select analysis types to associate with Fixed Fee Bills transactions that come into Project Costing from the Revenue Contracts application
Contracts Fixed Fee Revenue	FRV	Select analysis types to associate with Fixed Fee Revenue transactions that come into Project Costing from the Revenue Contracts application.
Cost Estimate to Complete	ETC	Select analysis types to associate with Estimate to Complete transactions that come into Project Costing from the Program Management
Bill Estimate to Complete	ETB	Select analysis types to associate with Estimate to Bill transactions that come into Project Costing from the

		Program Management application
General Integration Options		
Field name	Example Value	Description
Enable Status Control	Selected	Select to enable status control functionality, which enables you to control transactions based on analysis types and effective dates. By using status control options, you can stop transactions from a feeder application if a project or activity status changes on the project Status page or activity Status page.
General Ledger Integration		
Field name	Example Value	Description
Analysis Group	GL	Specify an analysis group that contains analysis types to be used for journal entry.
Time and Labor Integration		
Field name	Example Value	Description
Load Time Automatically		Select for PeopleSoft Enterprise Time and Labor to publish time and labor actual PAY rows to the Project Transaction table (PROJ_RESOURCE) as soon as payroll is complete. If cleared, you must run the Time and Labor to Project Costing Application Engine process (PC_TL_TO_PC) manually to load the data into the Project Transaction table from a staging table. The default value is option cleared.
Pricing/Funds Distribution		
Field name	Example Value	Description
Date Option	Acct Dt	Specify the type of date (accounting or transaction) to use for resolving rates for both pricing and funds distribution. The rates for both of these processes are effective-dated. The default value is accounting date
Reprice Deferrals		Select to reprice a row that has been priced but not billed. The default value is option cleared
Review Required for Billing		Select to require project transactions to be reviewed before they can be billed. Conduct reviews by using the Project Manager Review component
Enable Funds Distribution	Selected	Select to enable the rules that you define on the Funds Distribution - Target Definition page. Use the Funds Distribution page to identify cost transactions that are eligible for distribution, and the Funds Distribution - Target Definition page to define target rows to distribute costs among funding sources.
Run for Incoming Transactions		Select to indicate that the Funds Distribution (PC_FND_DIST) process should automatically run when processing incoming transactions from the feeder systems that send transactions to Project Costing.
Update Threshold Amounts	Selected	Select to allow a threshold amount to be modified on the Distribution Rules page after costs have been

		processed against the threshold. The threshold may not be lowered below the distributed amount.
One Target Definition	Selected	Select to indicate that a specific target definition is to be used for all source analysis types, on a funds distribution rule, for all Project Costing business units. Deselect to indicate that an individual target definition is to be defined for each source analysis type, on funds distribution rules,
Allow Reversals	Selected	Select to display a Reversals check box on the Funds Distribution - Target page. Reversal transactions are generated to send through budget checking and balance general ledger entries. Deselect to hide a Reversals check box on the Funds Distribution - Target page.
Asset Management Integration		
Field name	Example Value	Description
Cost Type From Transaction		Select to group and summarize the transactions to send to Asset Management by the cost types of the rows in the Project Transaction table instead of the cost type specified on the Define Assets page. The default value is option cleared
Department ID From Transaction	Selected	Select to group and summarize the transactions to send to Asset Management by the department ID of the rows in the Project Transaction table instead of the department specified on the Define Assets page. The default value is selected
Require Asset Approval		Select to require approval of asset capitalization transactions before they are sent to the Asset Management Loader tables. This option applies to assets that you create or adjust in Project Costing. It does not apply to asset retirement transactions. Clear the option to enable optional approval of assets. If approval is optional, assets with statuses of New and Approved are eligible to be sent to Asset Management. The default value is option cleared
Single Currency Summarization		Select this option in a single currency environment if you have no need to send transaction currency detail to Asset Management when you capitalize assets. The capitalization processes ignore the five currency fields—Transaction Currency Code, Currency Effective Date, Rate Multiplier, Rate Divisor, and Rate Type—to achieve a greater level of summarization. Clear this option if you want to send currency transaction detail to Asset Management when you capitalize assets.
Time Report Date Option		
Field name	Example Value	Description

Date Option	Date Under Report	<p>Select the date option that the system uses to process time reports that are created in Expenses and brought into Project Costing. Available options are:</p> <p>Date Under Report: The dates entered on time reports when they are created in Expenses are the same dates that the system uses when the time reports are imported into Project Costing. This is the default value.</p> <p>Period End Date: The time report end date determines the accounting period to which the system charges time in Project Costing. This setting is particularly important when the reporting period spans the end of one accounting period and the beginning another accounting period.</p>
Third Party Data Exchange		
Field name	Example Value	Description
Analysis Group – Budget	BUD	Select the analysis group from which to assign an analysis type for budget rows that you import from Microsoft Project. The analysis type from this group is later selected during the Microsoft Project integration process. This process will not be used.
Analysis Group – Actuals	ACT	Select the analysis group by which all transaction rows with an analysis type belonging to the group will be sent from Project Costing to Microsoft Project. Only transactions with analysis types in the specified analysis group will be synchronized between Project Costing and Microsoft Project. This process will not be used
Work Analysis Type	TLX	Select an analysis type to assign to work transactions (time entries) that are sent from Microsoft Project to the Project Transaction table. The default value is TLX. This process will not be used
Unit of Measure	MHR	Select the unit of measure for budget rows brought into Project Costing from Microsoft Project. The default setting is hours (MHR) This process will not be used.

Transaction Flow Diagram



Transaction Flow Diagram Process Descriptions

0. Grant/Project Budget to GL KK and to Project Costing

Both the Grant and the Project Costing Budgets are initiated by using the Finalize Button within the Grant or Project Budget components. The wrapper process creates the KK budget journals and it creates the BUD analysis type transaction rows in the Project Costing table PROJ_RESOURCE.

Navigation: Project Costing>Budgeting>Budget Plan>Finalize tab

Process: PC_WRAPPER

1. Contracts to Grants Management

This process is run from each Customer Contract. It creates the related Grant Award. It populates a few key data tables:

GM_AWARD	Award Parent Record
GM_AWARD_PRJ_VW	Distinct Projects for a Contract

Other key tables that need to be manually populated

GM_AWD_ATTR	Award Attributes
GM_AWD_KEYWORD	Keyword
GM_PRJ_DEPT	Project Department
GM_AWD_PRJ_DPCT	Project Department Percentage
GM_AWD_CFDA	Award CFDA values

2. Payroll to General Ledger – PayServ

This journal generator processes accounting from a custom table for PayServ into GL. Journals are created in the GL tables JRNL_HEADER and JRNL_LN from transactions in the custom PayServ sub ledger NY_PAY_JGEN_ENT based on the accounting entry definition NY_PAYRL, the journal generator template PAYROLL and the field GL_DISTRIB_STATUS = 'N'. Other key data tables are:

NY_PAYSERV_DTL	PayServ Permanent table (data is moved from the staging and kept perm)
NY_PAYSERV_STG	PayServ Staging (data exist only for the run)
PS_NY_LATS_INT_TBL	File id populated for every new LATS file that comes in

Navigation: General Ledger>Journals>Subsystem Journals>Generate Journals

Process: FSPGJGEN

3. Payroll to LATS Detail

This is the costed labor detail data

Key data tables are:

- NY_PAYSERV_DTL – PayServ Permanent table (data is moved from the staging and kept perm)
- NY_PAYSERV_STG – PayServ Staging (data exist only for the run)
- NY_COSTED_LABOR – Costed Labor Permanent table (data is moved from the staging and kept perm)

- NY_CST_LBR_STG –Costed Labor Staging table (data exist only for the process instance)
- PS_NY_LATS_INT_TBL – File id populated for every new LATS file that processes

4. LATS Detail Payroll to Allocation Staging

This process stages data for allocation.

Key data tables are:

- NY_CST_LBR_ALOC – Costed Labor Allocation Table

5. LATS Detail Payroll to Project Costing Third Party Interface

This process loads new detail Payroll transactions from NY_CST_LBR_STG into the INTFC_PROJ_RES table with an analysis type of PAY. Once the data is processed from this third party interface into the projects table PROJ_RESOURCE successfully, it gets deleted from the INTFC_PROJ_RES table. Transactions with load errors do not get deleted and have to be fixed before they will load.

6. Projects Third Party Interface to Project Costing

This process loads new transactions from INTFC_PROJ_RES into the projects table PROJ_RESOURCE. The LATS source transactions have an analysis type of PAY.

Also, this process calls the PC_FND_DIST process to create funding distribution transactions based on individual project funding distribution setup (Target Analysis types FDF, FDS, FDR, ODL) and PC_PRICING which uses the contract or project activity Rate Template to create priced transactions (Target Analysis Type of BIL, OLT). See PC_PRICING and PC_FND_DIST for additional notes.

Navigation: Project Costing>Third Party Integration>Load Transaction

Process: PC_INTFEDIT

7. Purchasing to Project Costing

This process loads new requisition and purchasing transactions from REQ_LN_DISTRIB, PO_LINE_DISTRIB and RECV_LN_ACCTG into PROJ_RESOURCE.

- a. The project related requisitions must have been budget checked, approved and sourced with a PC_DISTRIB_STATUS = 'N' to be collected from the REQ_LN_DISTRIB table. Requisitions have an analysis type of REQ.

The project related purchase orders must have been budget checked, approved and dispatched with PC_DISTRIB_STATUS = 'N' to be collected from the PO_LINE_DISTRIB table. Purchase Orders have an analysis type of COM.

Navigation: Project Costing>Cost Collection>Purchasing

Process: PC_PO_TO_PC

- b. There is a separate process to handle Purchase Order Close, Purchase Order Adjustments, Requisition reversals and Purchasing reversals. This process loads new purchase order close transactions with an analysis type of CCA, requisition reversal transactions related to a purchase orders with an analysis type of RRV and purchase order reversal transactions related to payables vouchers with an analysis type of CRV into PROJ_RESOURCE.

Navigation: Project Costing>Cost Collection>Purchasing Adjustment
Process: PC_POADJUST

8. Travel Expense to General Ledger

The journal generator process selects accounting entries in the Travel/Expense sub ledger EX_ACCTG_LINE table that have a field GL_DISTRIB_STATUS = 'N', an accounting entry definition = 'EXDEFN' and a journal generator template = (EXACCRUAL, EXCANCEL, EXCLOSE, EXPAYMENT) and inserts rows to GL tables JRNL_HEADER and JRNL_LN.

Navigation: General Ledger>Journals>Subsystem Journals>Generate Journals
Process: FSPGJGEN

9. Accounts Payable to General Ledger

The journal generator process selects accounting entries in the Payables sub ledger VCHR_ACCTG_LINE table that have a field GL_DISTRIB_STATUS = 'N', an accounting entry definition = 'APDEFN' and a journal generator template = (ACCRUAL, CANCEL, CLOSURE, PAYMENT) and inserts rows to GL tables JRNL_HEADER and JRNL_LN.

Navigation: General Ledger>Journals>Subsystem Journals>Generate Journals
Process: FSPGJGEN

10. Accounts Payable to Project Costing

The Projects Payables integration process loads AP Vouchers from VCHR_ACCTG_LINE into PROJ_RESOURCE after the vouchers have processed to general ledger and the PC_DISTRIB_STATUS = 'N'. These source transactions have an analysis type of ACT. Vouchers that have not been approved, budget checked, matched and posted to the payables sub ledger do not get collected into project costing.

Also, this process calls the PC_FND_DIST process to create funding distribution transactions based on individual project funding distribution setup (Target Analysis types FDF, FDS, FDR, ODL) and PC_PRICING which uses the contract or project activity Rate Template to create priced transactions (Target Analysis Type of BIL, OLT). See PC_PRICING and PC_FND_DIST for additional notes.

Navigation: Project Costing>Cost Collection>Payables
Process: PC_AP_TO_PC

11. Travel and Expense to Project Costing

This Projects Travel Expense integration process loads Expense report distributions from EX_ACCTG_LINE into PROJ_RESOURCE after the expense report has processed to general ledger and the PC_DISTRIB_STATUS = 'N'. These source transactions have an analysis type of ACT. Expense Reports that have not been approved, budget checked, and posted to the travel expense sub ledger do not get collected into project costing.

Also, this process calls the PC_FND_DIST process to create funding distribution transactions based on individual project funding distribution setup (Target Analysis types FDF, FDS, FDR, ODL) and PC_PRICING which uses the contract or project activity Rate Template to create priced transactions (Target Analysis Type of BIL, OLT). See PC_PRICING and PC_FND_DIST for additional notes.

Navigation: Project Costing>Cost Collection>Expenses
 Process: PC_EX_TO_PC

12. Project Costing (Rate As Incurred Customer Contract) to Billing

This integration processes billable transactions from PROJ_RESOURCE for the customer contract Rate As-Incurred product offerings with a BI_DISTRIB_STATUS = 'P'. The customer contract has to be ACTIVE and the Bill Plan status must be 'Ready' or be 'In Process'. The transaction analysis types included in the analysis group PSWKS (BIL, DEF, FJD, FJR and OLT) are loaded into the Billing Interface Tables (INTFC_BI). The Bill Plan statuses in the Contract are set to 'In Progress' from 'Ready' and the BI_DISTRIB_STATUS is updated to 'W' from 'P'. Once the billing process is completed the BI_DISTRIB_STATUS is updated to 'D' and the BIL analysis type is replaced with BLD in PROJ_RESOURCE by the Billing to Project Costing process (see notes in item 19). This process records an interface id in the message log that will be used in the next Billing Invoice Finalization Processes process.

Navigation: Customer Contracts>Schedule and Process Billing>Process As-Incurred Billing
 Process: CA_BI_INTFC

13. Billing Invoice Finalization Processes

- a. The Billing Interface process loads transactions from the INTFC_BI table into BI tables (BI_HDR, BI_HDR_VAT, BI_LINE, BI_LINE_DST or BI_LINE_DST_UAR, etc.) and assigns an Invoice Number. The interface id from the prior process is used in this process.

If the Pre-Approved Flag = 'N' (i.e. unchecked) on the Contract Bill Plan, then a Temporary Invoice is created and the transaction must be approved on the Billing Worksheet. Once approved, an Invoice Number is assigned. This job is normally run as part of the PSJOB01.

Navigation: Billing>Interface Transactions>Process Billing Interface
 Process: BIIF0001

- b. Billing Interface table – user field value updates

DRAW PAGE LEVEL	DRAW VALUE	CONFIGURATION LOCATION	VALUE IS INSERTED INTO	DESCRIPTION OF VALUES
1	DRAW SYSTEM	GM_AWD_ATTRIB.ATTR_CODE	BI_LINE.USER6 (user-defined field 6) ITEM.USER6 (user-defined field 6)	<ul style="list-style-type: none"> • DS-G5 = G5 • DS-PMS = PMS • DS-ASAP = ASAP • DS-DIRLOAN = DIRLOAN
2	DRAW ACCOUNT	GM_AWD_ATTRIB.ATTR_CODE_VALUE	BI_LINE.USER7 (user-defined field 7) ITEM.USER7 (user-defined field 7)	<ul style="list-style-type: none"> • DUNS ID for G5/DIRLOAN • Recipient ID for ASAP • PAN for PMS.
3	SUB-ACCOUNT	CA_DETAIL.LOC_DOC_ID	BI_LINE.USER8 (user-defined field 8) ITEM.USER8 (user-defined field 8)	<ul style="list-style-type: none"> • Location Code for ASAP • Sub-Account/Keyword for PMS • DUNS ID for G5/DIRLOAN
4	REFERENCE AWARD	GM_AWARD.REF_AWD_NUMBER	BI_LINE.USER9 (user-defined field 9) ITEM.USER9 (user-defined field 9)	<ul style="list-style-type: none"> • Grant Award Number

- c. The Billing VAT process looks at the data in the BI tables (BI_HDR_VAT) to determine if the VAT values were passed as part of the interface file or if the system should set the VAT default values. This process will then update the VAT applicable fields on the various BI tables on the bill header and bill line(s). This process is normally run as part of the PSJOB01 which includes BIIF0001 and BIPVAT00

Navigation: Billing>Interface Transactions>Process Billing Interface

Process: BIPVAT00

- d. The Bill Status Change Process will change the status of the Bill(s)/Invoices on BI_HDR from 'NEW' or 'HOLD' to 'RDY'. Only Bill(s)/Invoices with a status = 'RDY' will be invoiced. This process is meant to run if there are many invoices that need to be changed. You can also change the statuses manually on the Bill header.

Navigation: Billing>Maintain Bills>Change Status of Bills

Process: BIIVCSTS

- e. The Pre-process and Finalization process calculates sales/use taxes, updates VAT distribution status, sorts bill lines, converts EURO amounts, sets document sequence numbering, sets invoice date and calculates the due date, changes invoice status etc. In order to trigger the Business Interlink with the tax software, this process must be run on the PSUNX server. This process is part of the Single Action Invoice job which includes the following processes:

- NY_BIJMM – Single Action Invoice(Min/Max) PSJob
- NY_MINMAX_TH – Minimum/Maximum billing limits
- NY_BI_BNKFND – Billing Bank Fund Validation
- BIIVC000 – Pre-process & Finalization
- BI_IVCEXT –Invoice Extract Process
- NY_BI_REMIT –Remit to Location

Navigation: Billing>Generate Invoices>Non-Consolidated>Finalize and Print Invoices

Process: BIIVC000

- f. These are the invoice print jobs. There are a number of customized invoice formats based on the various countries being billed. This invoice processes are part of the Single Action Invoice job NY_BIJMM.

- NYBI3852 – Standard Invoice
- NYBI3853 – Banking Invoice
- NYBI3854 – Insurance Invoice
- NYBI3856 –AGM Employee Invoice
- NYBI3857 – Terminal Market Invoice
- NYBI3858 –FDA Invoice
- NYBI3859 – Weights & Measures Invoice
- NYBI3860 – Counsel's Office Invoice

Navigation: Billing>Generate Invoices>Non-Consolidated>Finalize and Print Invoices

Process: BIIVC000

- g. The Currency Conversion program will only process against invoices with a status of 'INV' and must be run before running either the Load AR or Load GL processes. It must also be run even if you are dealing with a single currency.

Navigation: Billing>Generate Invoices>Non-Consolidated>Convert Currency Amounts

Process: BICURCNV

- h. This process creates the necessary accounting entries in BI_ACCT_LN_STG for revenue, inter-unit expense, AR, DS, UAR, STAT, VAT and TAX and has to be run prior to the Load GL Accounting Entry process BILDGL01.

Navigation: Billing>Generate Invoices>Non-Consolidated>Pre-Load Process
Process: BIPRELD

- i. The Load AR Pending Item process loads billing transactions that have been processed successfully by BIIVC000 and BICURCNV into the Receivables Pending Item tables (GROUP_CONTROL, PENDING_ITEM, PENDING_DST and PENDING_VAT).

Navigation: Billing>Generate Invoices>Non-Consolidated>Load Invoices to AR
Process – BILDAR01

- j. The Load GL Accounting Entry process creates billing accounting entries for those transactions that have been processed successfully by BIIVC000 and BICURCNV. Accounting Entries are inserts into the BI_ACCT_ENTRY table with a GL_DISTRIB_STATUS = 'N'. The Journal Generator process can then be run for Journal Template 'BIDEFN'.

Navigation: Billing>Generate Invoices>Non-Consolidated>Create Accounting Entries
Process: BILDGL01

- k. The Budget Checking process processes only those accounting entries that are created by the Load GL Interface process with a budget checking header status of N (not budget checked). It determines the fiscal year and period from the budget date of the accounting line entry and checks the accounting entry against the recognized revenue budget for that fiscal year and period.

Navigation: Billing>Generate Invoices>Non-Consolidated>Request Budget Check
Process: FS_BP

- l. The Billing to Projects/Contracts Interface process sends the results of the invoiced transactions back to Projects and Contracts. For Contracts, it sets the status to 'FINALIZED' on CA_BP_XREF, the Event Status to 'BILLED' and if appropriate the Bill Plan Status to 'COMPLETE'. For Projects, it populates a temporary table (PROJ_RES_TMP_BI) to be used by the Projects PC_BI_TO_PC process to 'pull' the data into PROJ_RESOURCE (see item 19). Also, it processes any Billing Worksheet transactions that were set to deferred (DEF) or Write off (WTO).

Navigation: Billing>Generate Invoices>Utilities>Update Contract/Projects Data
Process: BIIPC000

14. Billing to Accounts Receivable

The Receivables Update process edits and posts those transactions from the Pending Item tables PENDING_ITEM, PENDING_DST, PENDING_VAT (loaded by the BILDAR01 process and other AR processes) into the Receivables Item tables (ITEM, ITEM_ACTIVITY, ITEM-DST, etc.). The Customers' Balance is updated as a result.

Navigation: Accounts Receivable>Receivables Update>Request Receivables Update
Process: ARUPDATE

15. Billing to General Ledger

The Journal Generator process picks up accounting entries in the BI_ACCT_ENTRY table that have a GL_DISTRIB_STATUS = 'N' and Journal Templates 'BIDEFN' and loads them into JRNL_HEADER and JRNL_LN.

Navigation: General Ledger>Journals>Subsystem Journals>Generate Journals

Process: FSPGJGEN

16. Contracts (Fixed Amount & Prepaid) to Billing

This Processes billable transactions from the CA tables (CA_DETAIL, CA_BILL_PLAN, CA_BP_EVENT) for the Fixed Fee Offerings. Transactions are loaded into the Billing Interface Tables (INTFC_BI). Bill Plan Statuses are set to 'In Progress'. Billing Event Status (for Fixed Fee Offerings) is set to 'In Progress'.

A History transaction (for Fixed Fee Offerings) is created (in the CA_BP_XREF table) with a status of 'NEW'. The BI_DISTRIB_STATUS = 'D' in PROJ_RESOURCE for Rate Based Offerings.

- a. The Milestone process updates the milestone condition statuses for Milestone, Date and SQL Milestone types and updates the Milestone Status from 'Ready' to 'Complete' in tables CA_MILESTONE, CA_AP_EVENT. It is only used on Fixed Fee Offerings. Revenue Recognition Plans and Billing Plans will process Milestones transactions with a status of 'COMPLETE'.

Navigation: Customer Contracts>Update Contract Progress>Update Milestone Condition Status>Process Milestones

Process: CA_MS_PRC

- b. Billing Interface Process for Fixed Fee (Fixed Amount) and Prepaid

Navigation: Customer Contracts>Schedule and Process Billing>Process Other Billing Methods

Process: CA_BI_INTFC

- c. See Item 13 Billing Processes

17. Contracts (Fixed Amount) to General Ledger

The Journal Generator process picks up accounting entries in the CA_ACCTG_LINE table that have a GL_DISTRIB_STATUS = 'N' and Journal Templates 'CADEFN' and loads them into JRNL_HEADER and JRNL_LN.

- a. The Milestone process updates the milestone condition statuses for Milestone, Date and SQL Milestone types and updates the Milestone Status from 'Ready' to 'Complete' in tables CA_MILESTONE, CA_AP_EVENT. It is only used on Fixed Fee Offerings. Revenue Recognition Plans and Billing Plans will process Milestones transactions with a status of 'COMPLETE'.

Navigation: Customer Contracts>Update Contract Progress>Update Milestone Condition Status>Process Milestones

Process: CA_MS_PRC5

- b. The fixed fee revenue process creates balanced accounting entries in the CA_ACCTG_LINE table with Fixed Fee Accounting Entries and depletes the Deferred Revenue initially booked in the Deferred Revenue process. It is only used with Fixed Fee Offerings.

Navigation: Customer Contracts>Schedule and Process Revenue>Process Fixed Fee Revenue

Process: CA_LOAD_GL1

- c. The Journal Generator process picks up accounting entries in the CA_ACCTG_LINE table that have a GL_DISTRIB_STATUS = 'N' and Journal Templates 'CADEFN'.

Navigation: General Ledger>Journals>Subsystem Journals>Generate Journals

Process: FSPGJGEN

18. Contracts (Fixed Amount) to Project Costing

This process Loads Fixed Amount Billing transactions and Revenue transactions (Analysis Types FBD and FRV) into PROJ_RESOURCE.

Navigation: Project Costing>Revenue Collection>Retrieve Revenue from Contract

Process: PC_CA_TO_PC

19. Billing to Project Costing

- a. The Projects Billing process loads the results of the invoiced data from PROJ_RES_TMP_BI into the PROJ_RESOURCE table.

Navigation: Billing>Generate Invoices>Utilities>Update Contract/Project Data

Process: BIPCC000

- b. Rate Based BIL rows are changed to BLD; Fixed Fee (FBD) rows are inserted, DEF and WTO rows are inserted from the Billing Worksheet; BAJ rows are inserted from Billing; (when an Invoice is created manually in Billing or a credit/rebill is done in Billing); UTL Prepaid Utilization transactions.

Navigation: Project Costing>Revenue Collection>Retrieve Billing Items

Process: PC_BI_TO_PC

20. AR Refunds to AP

- a. The refund process adds rows to the VOUCHER HEADER EC, VOUCHER LINE EC, and VOUCHER DISTRIBUTION EC tables for PeopleSoft Receivables (ITEM, ITEM_ACTIVITY, ITEM_DST). Customer needs to be linked to Vendor and Vendor needs to be linked to Customer. Receivables business unit needs to be linked to AP business unit.

Navigation: Accounts Receivable>Receivables Maintenance>Refunds>Request Refund Item

Process: AR_REFUND

- b. The Voucher Build processes transactions in the VOUCHER HEADER EC, VOUCHER LINE EC, and VOUCHER DISTRIBUTION EC tables to get the refund invoice into AP.

Navigation: Accounts Payable>Batch Processes>Vouchers>Voucher Build

Process: AP_VCHRBLD

21. AR Direct Journals to PC

Use the Adjustments from Receivables process to import receivables adjustment data into PeopleSoft Project Costing. The data is from tables for PeopleSoft Receivables ITEM, ITEM_ACTIVITY, ITEM_DST and PC_DISTRIB_STATUS = 'N'. The analysis group AR determines which analysis types (REV, EXP) are available. Also, the resource type determines the type of Program Income to be handled by project costing.

Navigation: Project Costing >Cost and Revenue Collection>Revenue Collection>Adjustments from Receivables

Process: PC_AR_TO_PC

22. Accounts Receivable to General Ledger

The Journal Generator processes accounting entries in the ITEM_DST, ITEM_ACTIVITY tables that have a GL_DISTRIB_STATUS = 'N' into GL tables JRNL_HEADER and JRNL_LN. Accounting entry definition – ARDEFN

Navigation: General Ledger>Journals>Subsystem Journals>Generate Journals

Process: FSPGJGEN

23. Project Costing to General Ledger

This process creates balanced accounting entries for both revenue and expense in the projects/contracts sub ledger table CA_ACCTG_LN_PC based on the Accounting rules. The accounting rules are setup by PCBU and GLBU for BIL, BLD, FDS, DEF, BAJ, FJD, FJR, UTL and FDR for KK analysis types. It updates the GL_DISTRIB_STATUS to 'G' in PROJ_RESOURCE. The status gets updated to 'D' by CA_LOAD_UPD after journal generator (see item 34).

- a. This process creates the accounting entries in the CA_ACCTG_LN_PC

Navigation: Project Costing>Accounting>Process Project Accounting

Process: PSA_ACCTGGL

- b. The Journal Generator process picks up accounting entries in the CA_ACCTG_LN_PC and CA_ACCTG_LINE tables that have a GL_DISTRIB_STATUS = 'N' and Journal Templates 'CAPCDEFN' and 'CADEFN'.

Navigation: General Ledger>Journals>Subsystem Journals>Generate Journals

Process - FSPGJGEN

24. Allocations to General Ledger

These are used to allocate costs across multiple projects or multiple activities within a project. They include LATS, FBIC and STIP allocations. The LATS journal generation is from NY_CST_LBR_JGEN (Journal Generator Table for the costed labor) and PS_NY_CST_LBR_ALOC (Journal Generator table for ALC_PPA (Allocations) ledger)

Allocations>Request Allocation
Process – FS_ALLC

25. FBIC allocation to Third Party Interface

- a. This process loads BIL analysis type rows related to FBIC into the Third Party Interface table INTFC_PROJ_RES

Navigation:
Process:

- b. This process loads the rows from the Third Party Interface table INTFC_PROJ_RES into PROJ_RESOURCE

Navigation: Project Costing>Third Party Integration>Load Transaction
Process: PC_INTFEDIT

26. GL Journal Upload

These processes are used to upload external flat files and spreadsheet files into the General Ledger tables. The project related transactions can be for analysis types in the analysis group GL which contains analysis types (GLE, GLR, GLA, & CSH).

Navigation: General Ledger>Journals>Import Journals>External Flat Files
Process: GL_JRNL_IMP

Or

Navigation: General Ledger>Journals>Import Journals>Spreadsheet Journals
Process: GL_EXCL_JRNL

27. LATS Reclass Journal

The Journal Generator process picks up accounting entries in the NY_CST_LBR_JGEN table that has a GL_DISTRIB_STATUS = 'N' into GL tables JRNL_HEADER and JRNL_LN. Accounting entry definition – NY_PC_CST, Journal generator template

Navigation: General Ledger>Journals>Subsystem Journals>Generate Journals
Process: FSPGJGEN

28. General Ledger to Project Costing

This process loads project related GL journals from JRNL_HEADER and JRNL_LN into PROJ_RESOURCE based on the analysis group GL and the field PC_DISTRIB_STATUS = 'N'. The analysis group GL contains analysis types (GLE, GLR, GLA, & CSH).

Also, this process calls the PC_FND_DIST process to create funding distribution transactions based on individual project funding distribution setup (Target Analysis types FDF, FDS, FDR, ODL) and

PC_PRICING which uses the contract or project activity Rate Template to create priced transactions (Target Analysis Type of BIL, OLT). See PC_PRICING and PC_FND_DIST for additional notes.

Navigation: Project Costing>Cost Collection>General Ledger
Process: PC_GL_TO_PC

29. PO to AM

The Load Asset Request loads purchasing transactions into the INTFC_PRE_AM table. This process is not being used.

Navigation: Purchasing>Receipts>Process Receipts
Process: PO_RECVPUSH

30. AP to AM

The Receipt Process loads payables transactions into INTFC_PRE_AM table. This process is not being used.

Navigation: Accounts Payable>Batch Processes>Extracts and Loads>Load Asset Request
Process: INTFAPAM

31. PC to AM

This processes assets from project costing to AM based on Asset filter criteria created in each project. This process is not being used.

Navigation: Project Costing>Assets>Send to Asset Management
Process: PC_AM

32. Asset Management to GL

This process involves AM processes and the Journal Generator process

a. AM processes

Navigation: Asset Management>Send/Receive Information>Retrieve Info from AP/PO
Process: AMP81000 - AP/PO Interface – loads INTFC_FIN, INTFC_PHY_A tables. This process is not being used.

Navigation: Asset Management>Send/Receive Information>Load Transactions>Load Transactions into AM
Process: AMIF1000 - Transaction Loader – loads ASSET, BOOK, COST and LEASE tables. A customization related to this load is being used.

Navigation: Asset Management>Depreciation>Processing>Calculate
Process: AMDPCALC – Depr Calc – loads DEPR tables

Navigation: Asset Management>Financial Reports>Load Reporting Tables>Depr Reporting Table
And

Navigation: Asset Management>Reports>Load Reporting Tables>Net Book Value Table

Process: AMDPREPT - Loads Depr_Rpt and NBV table

Navigation: Asset Management>Accounting Entries>Create Accounting Entries

Process: AMAEDIST – Process Accounting Entries – loads DIST_LN table

Navigation: Asset Management> Accounting Entries>Close Depreciation

Process: AMDPCLOS – Depr Close – loads DIST_LN table

- b. This Journal Generator processes data from DIST_LN_JG_VW of DIST_LN, accounting entry definition AMDEFN, journal generator template (ADD, ADJ&TRANS, RECAT, RET, and DEPR) used by journal generator loads GL tables JRNL_HEADER and JRNL_LN

Navigation: General Ledger>Journals>Subsystem Journals>Generate Journals

Process – FSPGJGEN

33. Obligation Dt / Disbursement Dt to Project Costing

This process updates the RES_USER4 with Obligation date and RES_USER5 with the disbursement date.

Navigation: Project Costing>Utilities>Update Oblig and Disb Dates

Process: NY_UPD_OBLDT

34. GL Updates in Contracts and Project Costing

After Journal Generator has run for transactions flowing from Project Costing to General Ledger, the GL_DISTRIB_STATUS in PROJ_RESOURCE gets update to 'D' and Contract Milestone Statuses in the Customer Contracts Revenue Plans get updated to 'Complete'.

Navigation: Customer Contracts>Schedule and Process Revenue>Retrieve GL updates

Process: CA_LOAD_UPD

35. PC Pricing

It prices un-priced source transactions being collected from another source or un-priced transactions in PROJ_RESOURCE. It can re-price source transactions that have not processed to billing (OLT and BIL) and/or have not had revenue processed to the General Ledger. The processes of PC_INTFEDIT, PC_GL_TO_PC, PC_PO_TO_PC, PC_AP_TO_PC and PC_EX_TO_PC call this process when they are run. The pricing is based on the rate set associated with a contract line or the rate set or burden plan associated with a project activity. The rate set creates target analysis types transactions from the source transactions. The rate set tables are: PC_RATE, PC_RATE_DTL and PC_RATE_DTL_LN. There are two main rate set configurations.

The rate set STANDARD prices the original source transaction (analysis types – ACT, GLE, PAY, FJD, FJR, DEF) to create a target BIL analysis type transaction. It is used on customer contract lines with projects not utilizing funds distribution.

The rate set FDF_STANDARD prices the FDF analysis type transactions created by the funds distribution. It is used on customer contract lines with projects utilizing funds distribution.

Navigation: Project Costing>Utilities>Pricing

Process: PC_PRICING

36. Funds Distribution

It creates funds distribution target transactions from the source transactions based on the funds distribution configuration for a project and its activities. The funds distribution tables are: PC_FND, PC_FND_DIST, C_FND_DIST_LN and PC_FND_DIST_SEQ.

Navigation: Project Costing>Funds Distribution>Process Funds Distribution

Process: PC_FND_DIST