



FI\$Cal

Financial Information System for California

Conference Room Pilot (CRP) – Project Management

for Wave 1 and Wave 2
Departments

May 22, 2014

Agenda

- FI\$Cal Project Overview
- Wave 2 CRP Objectives and Approach
- FI\$Cal Solution Overview
 - FI\$Cal Project Solution
 - Transforming the WBS
- FI\$Cal Project Lifecycle
 - Business Process Overview
 - Covered Requirements
 - Demonstration
 - Key Gaps
- Technology Considerations
- Session Recap

What will not be covered

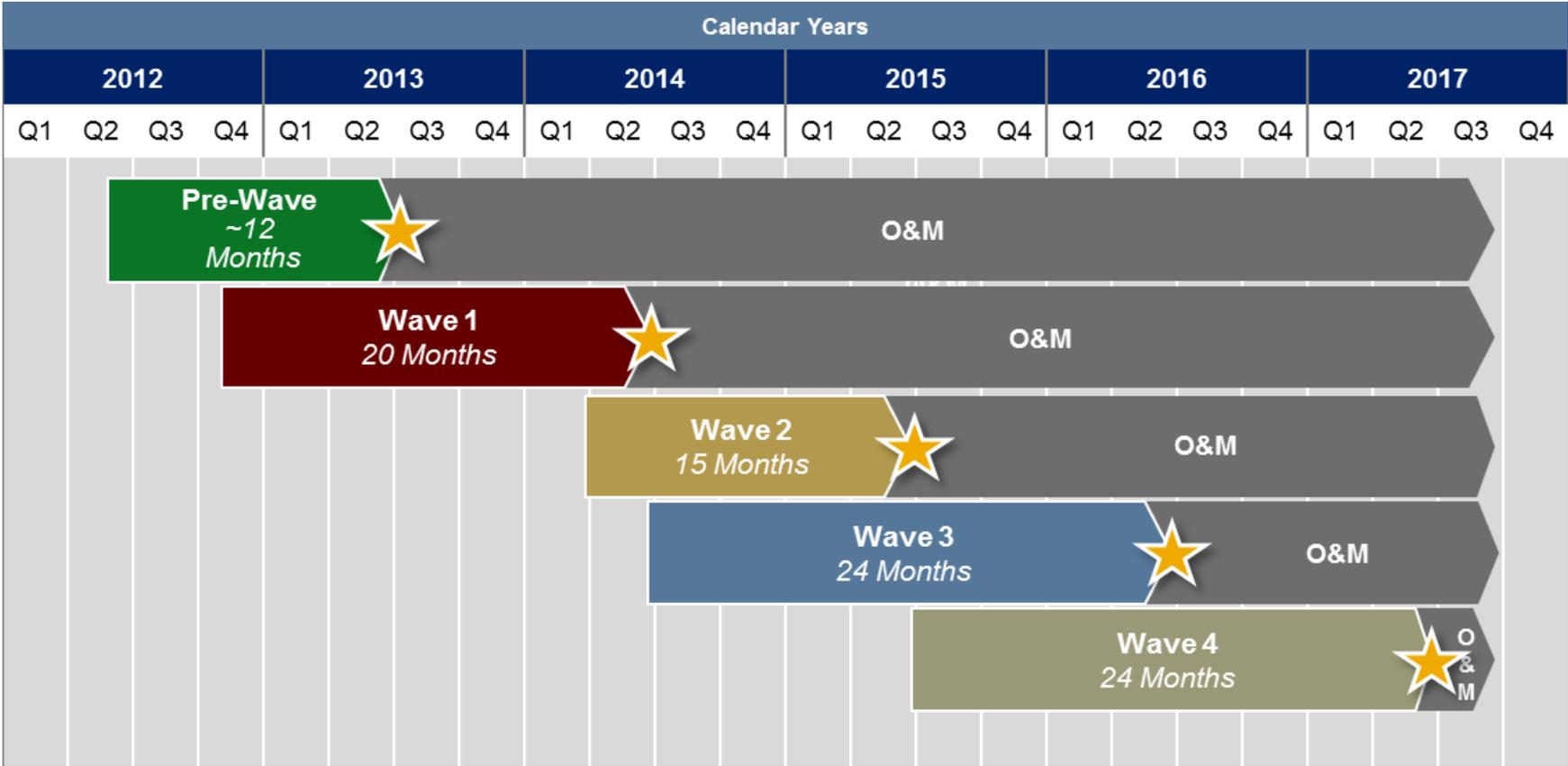
- Demonstration of PeopleSoft functionality
- Timesheet process
- Licensing

FI\$Cal Project Overview

- The Financial Information System for California (FI\$Cal) is a business transformation project for the State in the areas of budgeting, accounting, procurement, and cash management. The Project prepares the State to work in an integrated financial management system.

- California's Partner Agencies are working together to form the partnership to support FI\$Cal at the highest level:
 - Department of Finance (DOF)
 - Department of General Services (DGS)
 - State Controller's Office (SCO)
 - State Treasurer's Office (STO)

FI\$Cal Wave Timeline



CRP Objectives

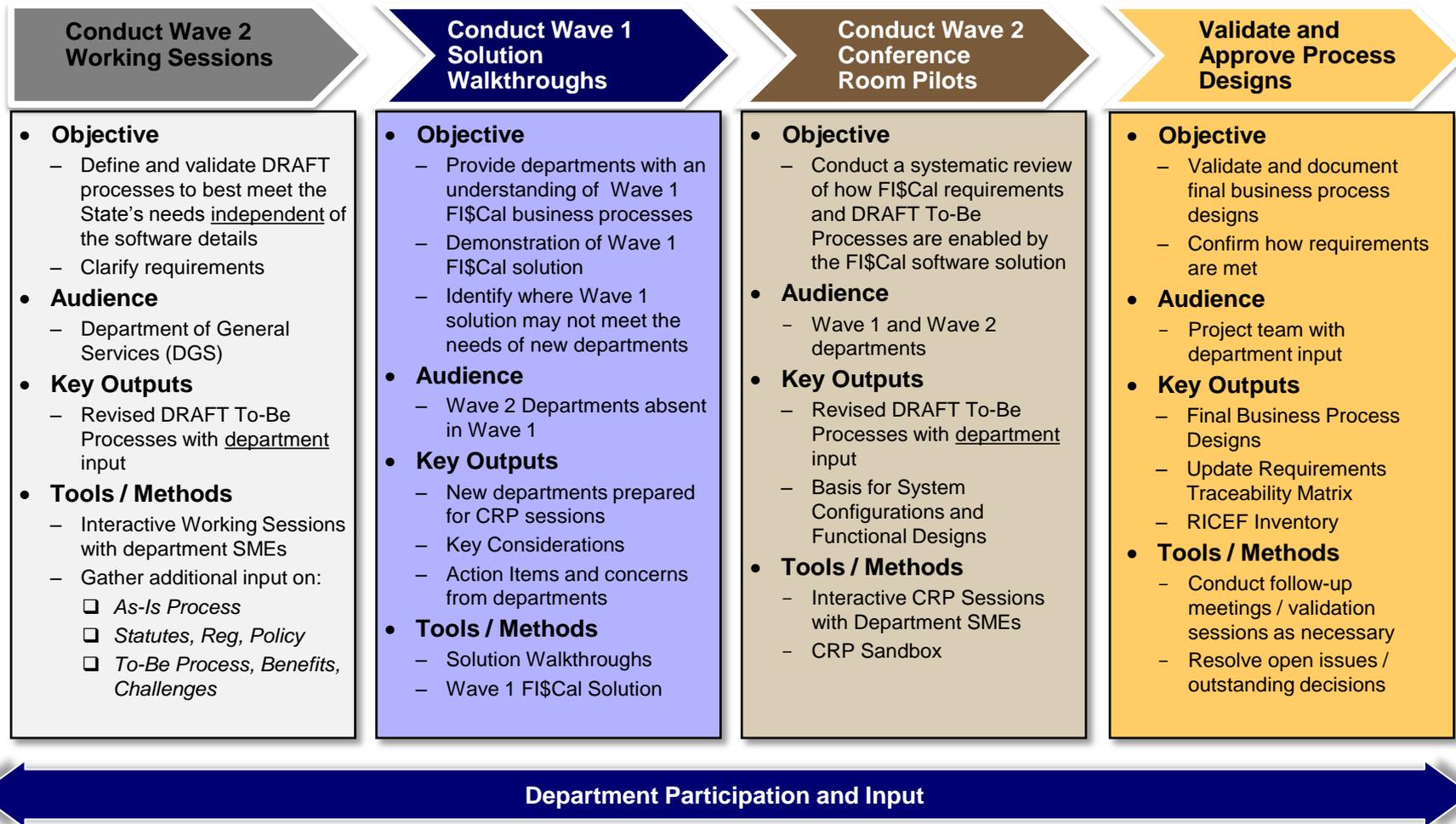
- The Wave 2 CRPs will:
 - Facilitate interactive discussion on “To-be” state business processes
 - Demonstrate delivered software capabilities to meet state requirements
 - Confirm application requirements and identify gaps where business needs are not satisfied by standard software functionality
 - Identify critical concerns/issues for each process area

Business Requirements – Overview

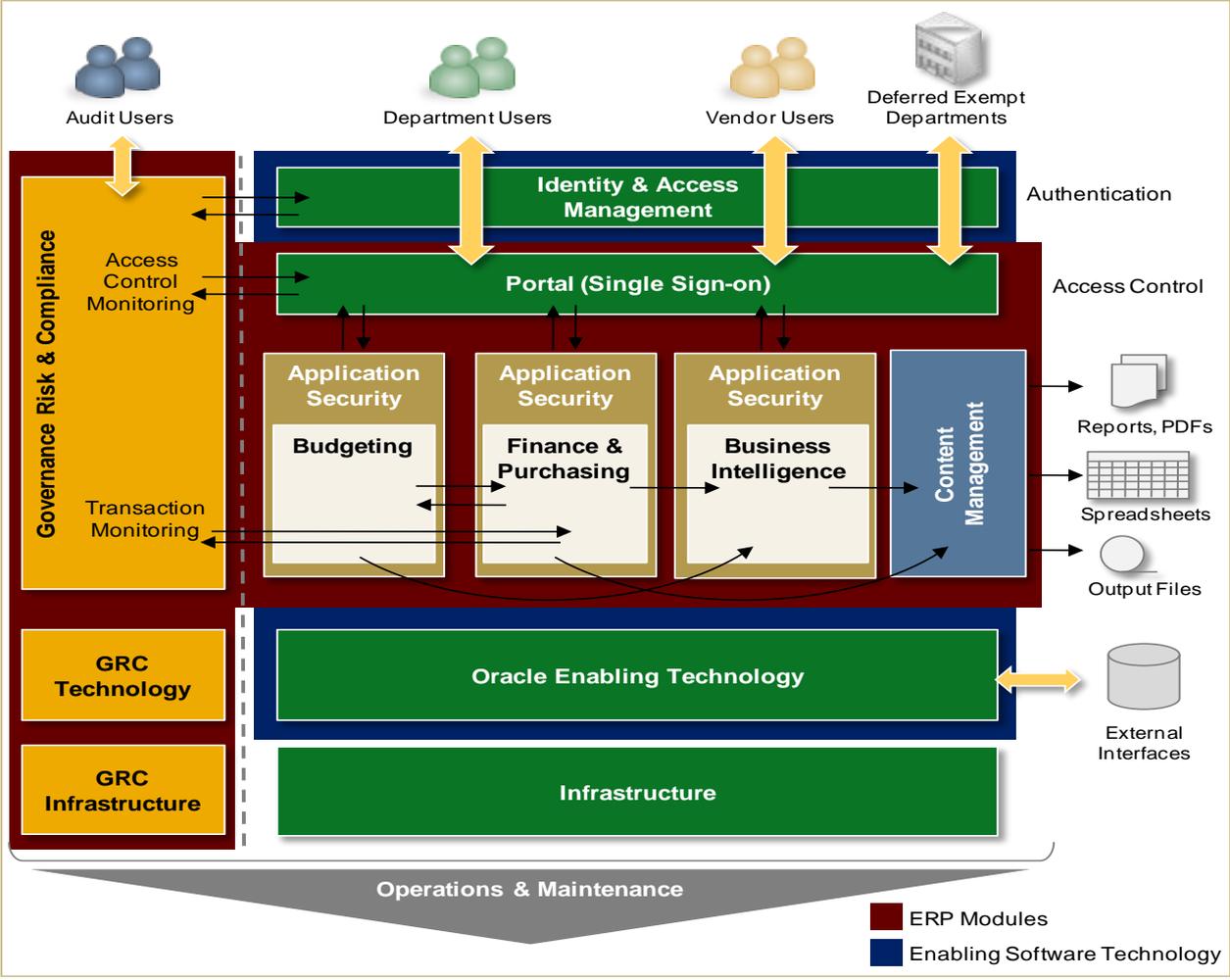
- **What is a Business Requirement?**

- Business requirements specify the functionality of an application
- Business requirements collectively represent the “To-Be” state of a system
- Requirements denote common functionality across all Departments
- The FI\$Cal project team contracted with Informatix to facilitate Joint Application Development (JAD) sessions with all partner and stakeholder departments to tailor the baseline requirements to the FI\$Cal project in 2006
- State conducted several rounds of review of the requirements in the past few years
- The current baseline requirement list is taken from the FI\$Cal RFP

FI\$Cal Design Approach



FI\$Cal Solution Overview



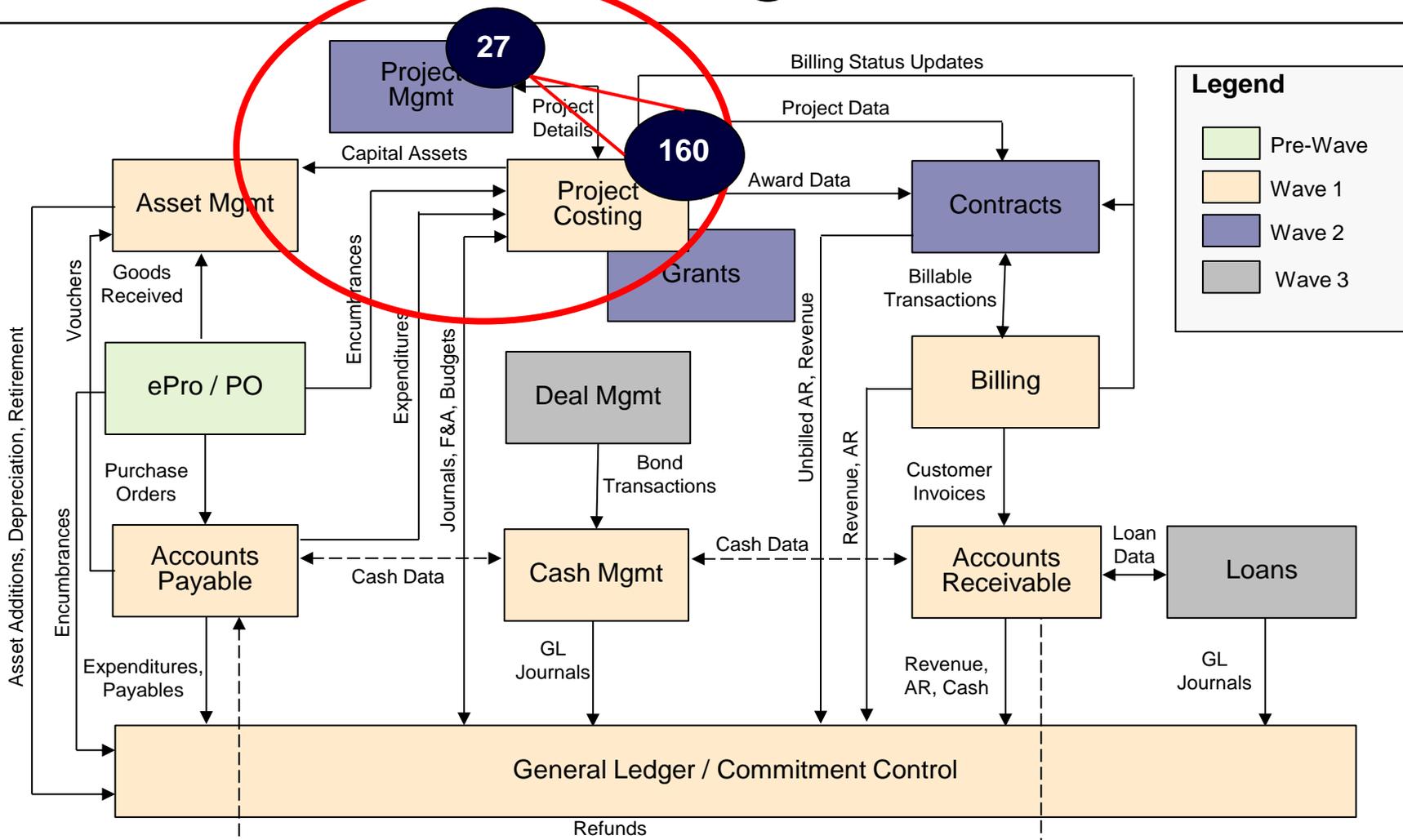
Ground Rules & Guiding Principles

- **Challenge** how the State does things today
- **Perspective** – Adopt a “Statewide” perspective
- **Silence is Consent** – Speak and share your thoughts
- **There are no Bad Questions** – Better to question, then assume
- **Consider Best Practices** and business process changes
- **Think of the data** and information you require

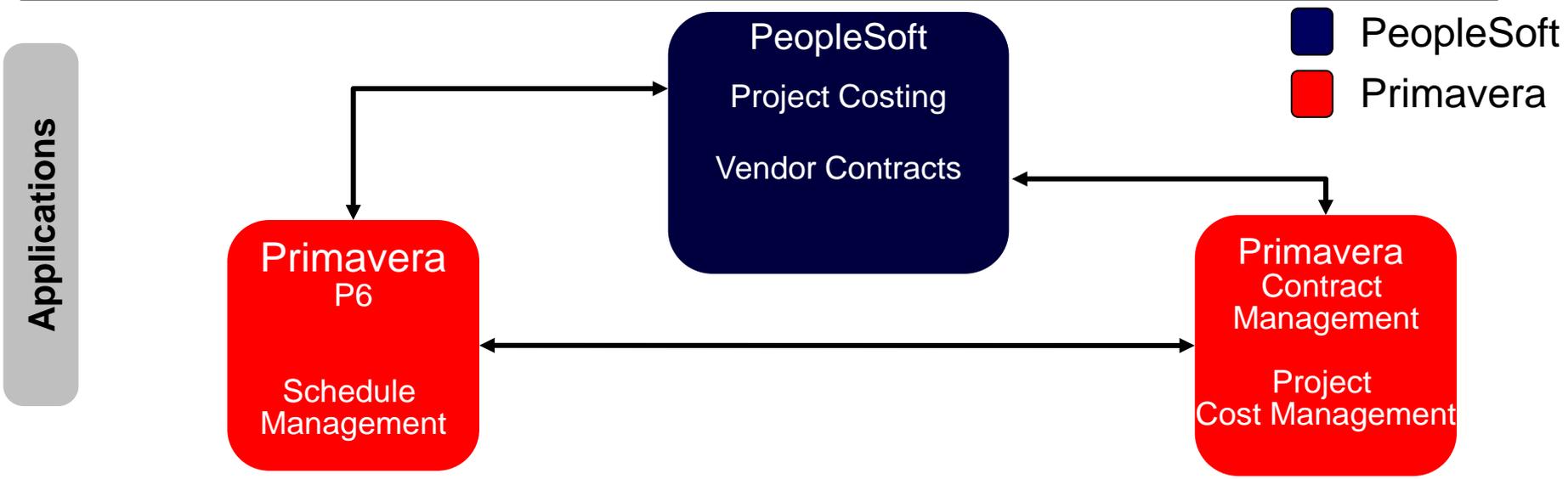
Key Terms

Term	Definition
PeopleSoft	Enterprise Resource Planning application for integrated accounting, budgeting and procurement chosen for the FI\$Cal solution. It includes a comprehensive solution for project lifecycle management and tracking.
Primavera	Primavera Systems is a brand name under which a range of software packages that collectively form a comprehensive project portfolio management solution
Primavera P6 – EPPM (P6)	Enterprise Project Portfolio Management - A web based solution for prioritizing, planning and managing capital (construction and IT) projects.
Primavera Contract Management (PCM)	A job cost and field controls solution that keeps track of capital projects schedules and budgets through the complete project lifecycle.

FI\$Cal Accounting Solution

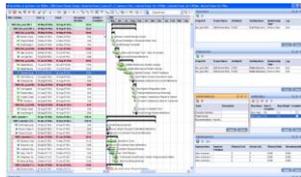


FI\$Cal Project Solution



Capital Project Lifecycle

Primavera P6 – Level N



Add Detailed Activities & Assign resources

Add Activity Start & End Dates

Track Field % Complete Updates

Analysis

Create Project

Add WBS & Budget at the Phase level

Record Actuals & Commitments

Analysis

PeopleSoft – Level 1





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Financial Information System for California

Transforming the WBS

Key Terms

Term	Definition
Work Breakdown Structure (WBS)	A WBS, or work breakdown structure, is a hierarchical arrangement of work activities that divides a project into discrete levels, phases, or layers.
Chart of Accounts (COA)	A collection of one or more types of codes used to classify financial and budgetary transactions
ChartField	A PeopleSoft term representing a single type of accounting classification code (fund, etc.)
ChartField Value	A single value for a ChartField. For example, 1234 could be a valid ChartField Value for the Fund ChartField

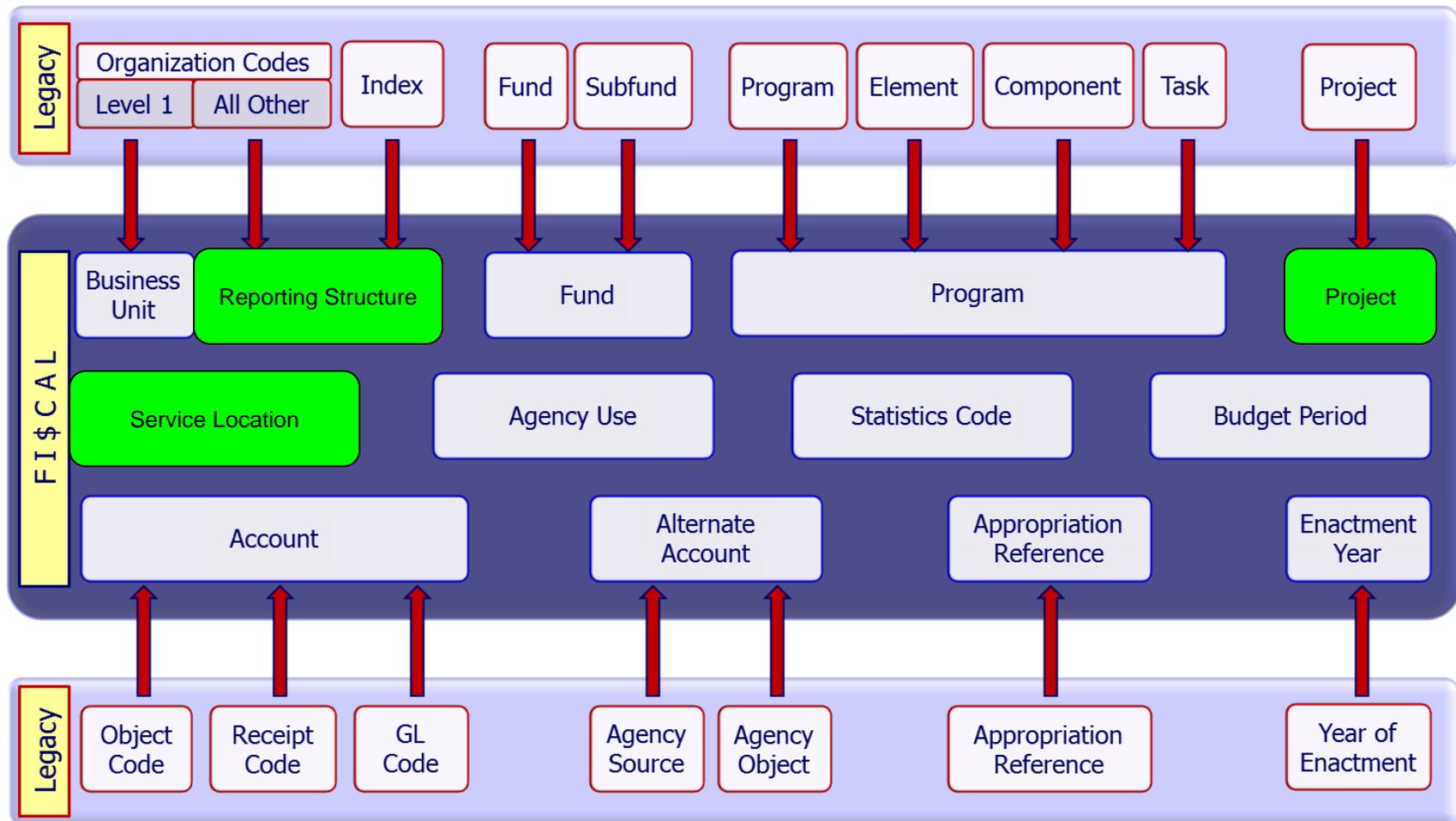
Key Terms

Term	Definition
Segment	Levels of work detail, beginning with the deliverable and separated into identifiable work elements.
Phase	Grouping of project activities based on logic or commonalities
Activity	<p>PeopleSoft – FI\$Cal Project ChartField used to identify task or phase for the project.</p> <p>P6 – Also known as tasks or events, activities are the lowest level manageable work elements in a project or WBS.</p>

Transforming The WBS

- Scenario - Capital Outlay Project
 - 1 Project ID
 - 10 Standard Capital Outlay Activities (Phases)
 - Commitment Control Budget Controlled at Activity Level
 - WBS Conversion to FI\$Cal ChartFields
 - Organization moved to Reporting Structure
 - Task moved to Resource Category
 - Sub-Task/Function moved to Resource Sub Category
 - Budget shown as “matrix” within Project Activities with WBS segments moved to appropriate ChartFields

Transforming the WBS

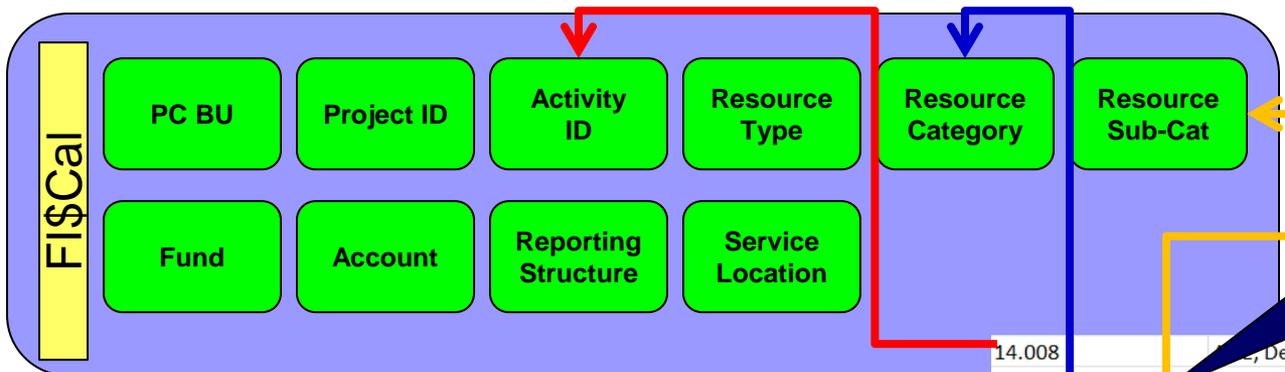


Project Chartfields

- Allows for the tracking of, and billing for, costs associated with activities having a finite duration. Projects can span multiple years, involve multiple funding sources, and be charged to by multiple GL Business Units (departments). Use of a Project ID on a transaction triggers the use of other Project related ChartFields:
 - Project Costing Business Unit (PC BU) – required
 - Project ID - required
 - Project Activity – required
 - Project Resource Type (“Source Type”) – optional
 - Project Resource Category (“Category”) – optional
 - Project Resource Subcategory (“Subcategory”) – optional

Transforming the WBS Cont'd

- The need for WBS segments are replaced by PeopleSoft Chartfield.
- The meta data built into the WBS will now be recorded as values in a Chartfield.



14.008	Design	Architectural and Engineering, Design
14.008.01	Architectural Stu 3	Architectural Studio 3
14.008.01.000	General (Budget)	General (Budget)
14.008.01.033	Consult, Special	Consultant, Special
14.008.01.073	A&E Student Assist	A&E Student Assistant
14.008.01.135	LEED Certification	LEED Certification
14.008.01.600	Prj Adm	Project Admin.
14.008.01.605	Client Changes	Client Changes
14.008.01.610	Investigations/Surve	Investigations/Survey
14.008.01.620	Design/Engineering	Design/Engineering
14.008.01.630	Documentation	Documentation
14.008.01.660	Bidding & Award	Bidding & Award
14.008.01.690	Additional Services	Additional Services
14.008.01.695	A&E Inspection	A&E Inspection
14.008.01.699	Travel Time	Travel Time
14.008.06	Civil	Civil
14.008.06.000	General (Budget)	General (Budget)
14.008.06.033	Consult, Special	Consultant, Special
14.008.06.073	A&E Student Assist	A&E Student Assistant
14.008.06.135	LEED Certification	LEED Certification

Transforming the WBS Cont'd

- Project Activities – “Flat WBS”

Project Phases become activities

Project Activities | Gantt Chart

Project: 000000000000178 Description: New Tulare K8 School Processing Status: Active

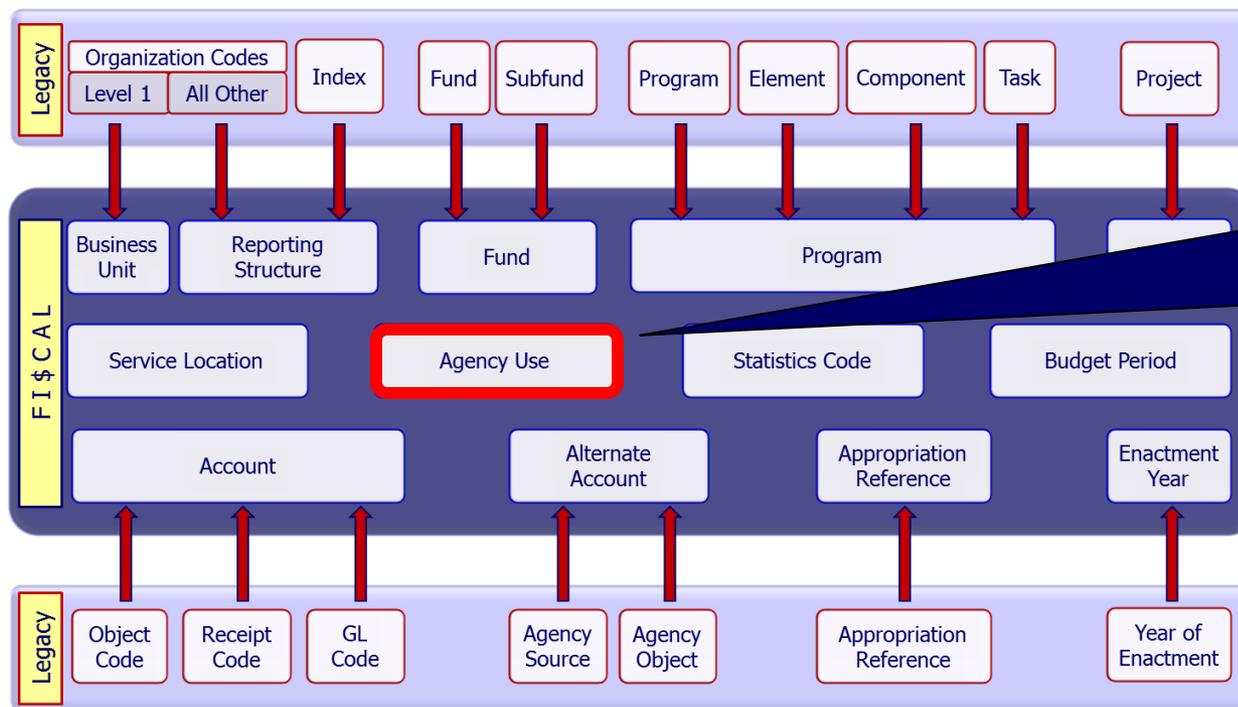
Number Rows: 1 Expand: All Subtasks

Project Activities | Personalize | Find | View All | First 1-9 of 9 Last

Select	WBS ID	*Activity Name	*Activity	*Start Date	*End Date	Percent Complete			
<input type="checkbox"/>	1	Assessment	A	07/01/2013	12/31/2099	0.00			
<input type="checkbox"/>	2	Study	S	07/01/2013	12/31/2099	0.00			
<input type="checkbox"/>	3	Proj Funding Dvlpmt	PF	07/01/2013	12/31/2099	0.00			
<input type="checkbox"/>	4	Preliminary Plans	P	07/01/2013	12/31/2099	0.00			
<input type="checkbox"/>	5	Pub Works Bd Apprv	PB	07/01/2013	12/31/2099	0.00			
<input type="checkbox"/>	6	Working Drawings	W	07/01/2013	12/31/2099	0.00			
<input type="checkbox"/>	7	Bid Opening	DB	07/01/2013	12/31/2099	0.00			
<input type="checkbox"/>	8	Construction	C	07/01/2013	12/31/2099	0.00			
<input type="checkbox"/>	9	Post Construction	PC	07/01/2013	12/31/2099	0.00			

Transforming the WBS

- Departments whose transaction classification needs are not fully met by the other ChartFields can use the Agency Use ChartField to further classify their transactions.



- Determined by Departments
- Subject to approval based on business need
- 1-10 digits
- Numbering and maintenance handled by departments

Transforming the WBS Cont'd

- Current WBS - Expanded

14.008	A&E, Design	Architectural and Engineering, Design
14.008.01	Architectural Stu 3	Architectural Studio 3
14.008.01.000	General (Budget)	General (Budget)
14.008.01.033	Consult, Special	Consultant, Special
14.008.01.073	A&E Student Assist	A&E Student Assistant
14.008.01.135	LEED Certification	LEED Certification
14.008.01.600	Prj Adm	Project Admin.
14.008.01.605	Client Changes	Client Changes
14.008.01.610	Investigations/Surve	Investigations/Survey
14.008.01.620	Design/Engineering	Design/Engineering
14.008.01.630	Documentation	Documentation
14.008.01.660	Bidding & Award	Bidding & Award
14.008.01.690	Additional Services	Additional Services
14.008.01.695	A&E Inspection	A&E Inspection
14.008.01.699	Travel Time	Travel Time
14.008.06	Civil	Civil
14.008.06.000	General (Budget)	General (Budget)
14.008.06.033	Consult, Special	Consultant, Special
14.008.06.073	A&E Student Assist	A&E Student Assistant
14.008.06.135	LEED Certification	LEED Certification

Org

Sub-Task

Transforming the WBS Cont'd

- Project Budget – represented in Dollars and Hours

Project ID	Activity ID	Category	Sub Category	Rptg Structure	Analysis Type	Amount	Unit of Measure
0000000000000178	W	000			BUD	10,000	
0000000000000178	W	005			BUD	10,000	
0000000000000178	W	007			BUD	10,000	
0000000000000178	W	008	000	01	BUD	500	HUR
0000000000000178	W	008	033	01	BUD	500	HUR
0000000000000178	W	008	073	01	BUD	500	HUR
0000000000000178	W	008	135	01	BUD	500	HUR
0000000000000178	W	008	600	01	BUD	500	HUR
0000000000000178	W	008	605	01	BUD	500	HUR
0000000000000178	W	008	610	01	BUD	500	HUR
0000000000000178	W	008	620	01	BUD	500	HUR
0000000000000178	W	008	630	01	BUD	500	HUR
0000000000000178	W	008	660	01	BUD	500	HUR
0000000000000178	W	008	690	01	BUD	500	HUR
0000000000000178	W	008	699	01	BUD	500	HUR
0000000000000178	W	008	000	06	BUD	500	HUR
0000000000000178	W	008	033	06	BUD	500	HUR
0000000000000178	W	008	073	06	BUD	500	HUR
0000000000000178	W	008	135	06	BUD	500	HUR
0000000000000178	W	008	600	06	BUD	500	HUR
0000000000000178	W	008	605	06	BUD	500	HUR
0000000000000178	W	008	610	06	BUD	500	HUR
0000000000000178	W	008	620	06	BUD	500	HUR
0000000000000178	W	008	630	06	BUD	500	HUR



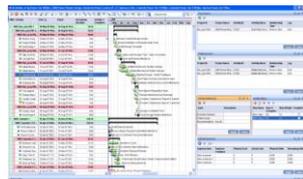
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Project Lifecycle/Integration

FI\$Cal Project Lifecycle

Primavera P6 – Level N



Detail the WBS,
add activities,
assign
resources

Add Activity
Start & End
Dates

Track Field %
Complete
Updates

Analysis

Create
Project

Add WBS &
Budget at the
Phase level

Record Actuals &
Commitments

Analysis



PeopleSoft – Level 1



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CRP Scenarios

Project Scenarios

- P6
 - Schedule a project
 - Resource load the schedule
- PCM
 - Manage project costs

Scenario – 1: Schedule a Project

ID		Requirement Description	How Met
Project/Schedule Management			
PR	6.00	The System shall allow users to create and modify a project scope of work, status, schedule and budget.	Out of the Box
PR	9.00	The System should allow users to identify deliverables associated with the type of project and scope	Out of the Box
PR	10.00	The System shall allow data to be entered a single time and stored by field for multiple users where such data can be uploaded or downloaded into multiple documents	Integration
PR	11.00	The System should populate fields in standard forms and generate a project management plan	Out of the Box
PR	31.00	The System shall allow users to revise/update project cost estimates and schedules.	Out of the Box
PR	61.00	The System should integrate updates (scope, schedule, cost) at the project level and report this data at the program level	Out of the Box
PR	63.00	The System should track all schedules, costs and other project variables that may impact a program or organization	Out of the Box
PR	66.00	The System should allow outside users restricted access into their respective projects	Configuration

Scenario – 1: Schedule a Project

ID	Requirement Description	How Met
Project/Schedule Management Cont'd		
PR 67.00	The System should allow users to accept or send project data from single point of data entry	Integration
PR 68.00	The System should populate and generate documents require for report and monitoring projects.	Reporting
PR 78.00	The System shall exchange data with standard industry construction scheduling software	Integration
PR 73.00	The System shall allow users to determine variances between budget expenditures and schedules and send alerts	Configuration
PR 75.00	The System shall track project expenditures by task and adjust the remaining task hours when task billing rates are changed on a fiscal year basis	Configuration

Scenario – 1: Schedule a Project

Schedule a Project: Create a Project

- Create your project in PeopleSoft – assigning a Project ID, Budget and WBS Phases

My Projects

User ID: DHoferkamp

Name: Marc Kessler

My Projects Personalize | Find | View All | [Print] | [Calendar] First [Left Arrow] 1 of 1 [Right Arrow] Last

General | Details | Amounts | [Filter]

Project Business Unit	Project	Description	Program	Project Status	Processing Status	Project Overall
	Project		<input type="checkbox"/>			

[Create New Project](#) [Projects List](#) [Create Project from Microsoft](#)

User ID: DHoferkamp

Name: Marc Kessler

My Projects Personalize | Find | View All | [Print] | [Calendar] First [Left Arrow] 1 of 1 [Right Arrow] Last

General | **Details** | Amounts | [Filter]

Project Business Unit	Project	Project Manager	Percent Complete	Start Date	End Date	Type
	Project					

[Create New Project](#) [Projects List](#) [Create Project from Microsoft](#)

Scenario – 1: Schedule a Project

Schedule a Project: Define your Phases

- Define your phases

Project Activities | Gantt Chart

Project: 000000000000178 Description: New Tulare K8 School Processing Status: Active

Number Rows: 1 Expand: All Subtasks

Project Activities Personalize | Find | View All | First 1-9 of 9 Last

Schedule | More Dates | Details | User Fields

Select	WBS ID	*Activity Name	*Activity	*Start Date	*End Date	Percent Complete			
<input type="checkbox"/>	1	Assessment	A	07/01/2013	12/31/2099	0.00			
<input type="checkbox"/>	2	Study	S	07/01/2013	12/31/2099	0.00			
<input type="checkbox"/>	3	Proj Funding Dvlpmt	PF	07/01/2013	12/31/2099	0.00			
<input type="checkbox"/>	4	Preliminary Plans	P	07/01/2013	12/31/2099	0.00			
<input type="checkbox"/>	5	Pub Works Bd Apprv	PB	07/01/2013	12/31/2099	0.00			
<input type="checkbox"/>	6	Working Drawings	W	07/01/2013	12/31/2099	0.00			
<input type="checkbox"/>	7	Bid Opening	DB	07/01/2013	12/31/2099	0.00			
<input type="checkbox"/>	8	Construction	C	07/01/2013	12/31/2099	0.00			
<input type="checkbox"/>	9	Post Construction	PC	07/01/2013	12/31/2099	0.00			

Scenario – 1: Schedule a Project

Schedule a Project: Create a Work Breakdown Structure (WBS)

Activities of FI\$CAL Project

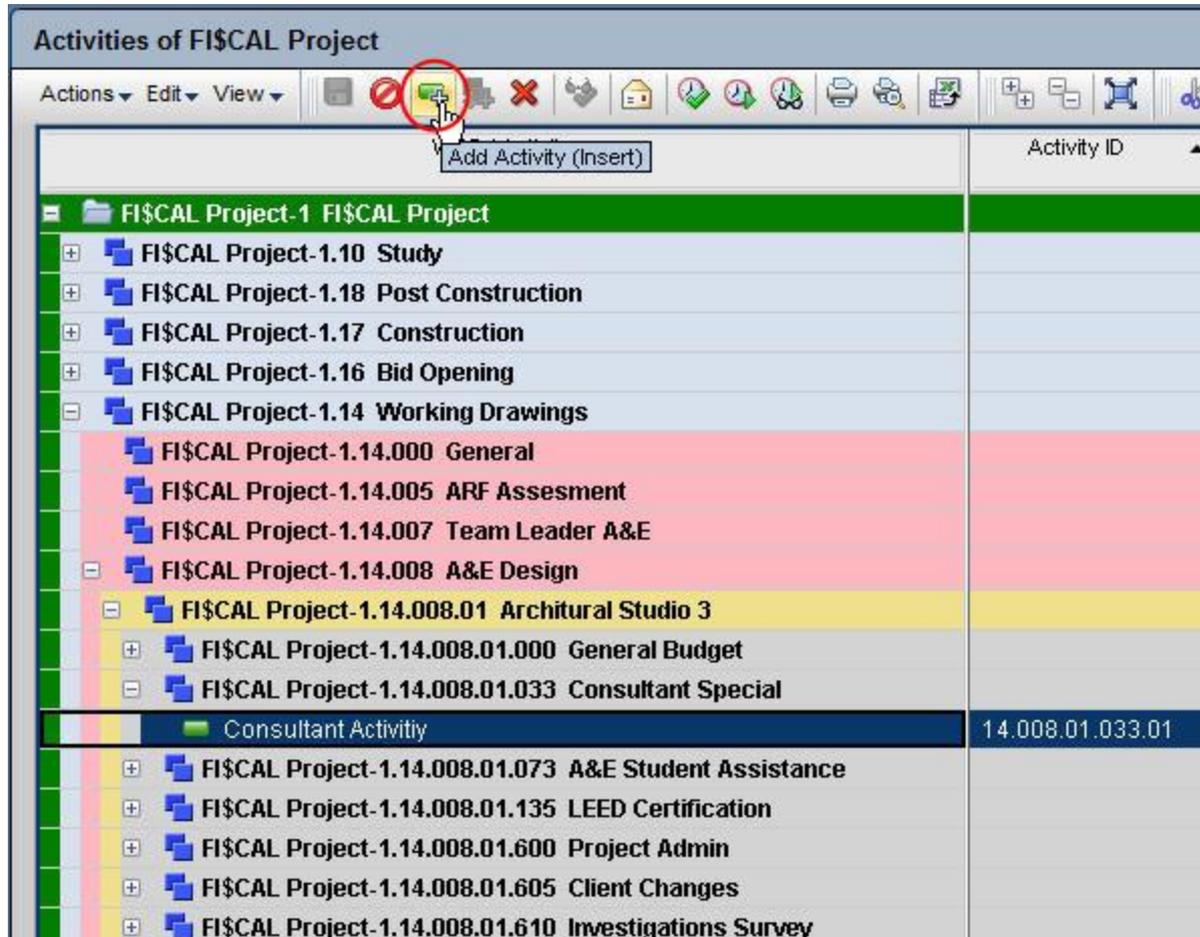
Actions Edit View

WBS / Activity	Activity ID	Planned Duration	Start	Finish	Activity Complete
FI\$CAL Project-1 FI\$CAL Project					
FI\$CAL Project-1.10 Study					
FI\$CAL Project-1.18 Post Construction					
FI\$CAL Project-1.17 Construction					
FI\$CAL Project-1.16 Bid Opening					
FI\$CAL Project-1.14 Working Drawings					
FI\$CAL Project-1.14.000 General					
FI\$CAL Project-1.14.005 ARF Assesment					
FI\$CAL Project-1.14.007 Team Leader A&E					
FI\$CAL Project-1.14.008 A&E Design					
FI\$CAL Project-1.14.008.01 Archtural Studio 3					
FI\$CAL Project-1.14.008.01.000 General Budget					
◆ General Budget Milestone	14.008.01.000.01	0.0d	19-May-14	19-May-14	0%
FI\$CAL Project-1.14.008.01.033 Consultant Special					
■ Consultant Activity	14.008.01.033.01	5.0d	19-May-14	23-May-14	0%
FI\$CAL Project-1.14.008.01.073 A&E Student Assistance					
■ Student Activity	14.008.01.073.01	10.0d	19-May-14	30-May-14	0%
FI\$CAL Project-1.14.008.01.135 LEED Certification					
■ LEED Cert Activity	14.008.01.135.01	6.0d	19-May-14	26-May-14	0%
FI\$CAL Project-1.14.008.01.600 Project Admin					
■ Adminstrative Activity	14.008.01.600.01	5.0d	19-May-14	23-May-14	0%
◆ Admin Milestone	14.008.01.600.02	0.0d	19-May-14	19-May-14	0%
FI\$CAL Project-1.14.008.01.605 Client Changes					
■ Chnage Request A100	14.008.01.605.01	2.0d	19-May-14	20-May-14	0%
■ Change Request A200	14.008.01.605.02	2.0d	19-May-14	20-May-14	0%
FI\$CAL Project-1.14.008.01.610 Investigations Survey					
◆ Investigation Start Milestone	14.008.01.610.01	0.0d	19-May-14	19-May-14	0%
◆ Investigation Finish Milestone	14.008.01.610.02	0.0d	19-May-14	19-May-14	0%

- Detail out your project by adding a WBS
- WBS structure can be defined from a project template, added to a project or pulled from other projects

Scenario – 1: Schedule a Project

Schedule a Project: Add Activities to a Project



- After activities are added they can be configured to capture general information like location, activity type and duration and identify constraints

Scenario – 1: Schedule a Project

Schedule a Project: Add Activity Code Values to Activities

Activities of FI\$CAL Project

Actions Edit View

WBS / Activity	Activity ID	Planned Duration	Start	Finish	Activity % Complete
FI\$CAL Project-1.14.008.01.000 General Budget		0.0d	19-May-14	19-May-14	
FI\$CAL Project-1.14.008.01.033 Consultant Special		5.0d	19-May-14	23-May-14	
Consultant Activity	14.008.01.033.01	5.0d	19-May-14	23-May-14	0%
FI\$CAL Project-1.14.008.01.073 A&E Student Assistance		10.0d	19-May-14	30-May-14	
FI\$CAL Project-1.14.008.01.135 LEED Certification		6.0d	19-May-14	26-May-14	
FI\$CAL Project-1.14.008.01.600 Project Admin		5.0d	19-May-14	23-May-14	

General

Activity Consultant Activity

Details

Activity ID: 14.008.01.033.01

Activity Name: Consultant Activity

Activity Type: Task Dependent

Location:

Durations

Planned Duration: 5.0d

Actual Duration: 0.0d

Remaining Duration: 5.0d

At Completion Duration: 5.0d

Duration Type: Fixed Duration & Units/Time

Units and Costs

Labor Cost

Planned Labor Cost: 0

Actual Labor Cost: 0

Remaining Labor Cost: 0

At Completion Labor Cost: 0

Status

Started: 19-May-14

Finished: 23-May-14

Activity % Complete: 0%

Percent Complete Type: Duration

Constraints

Primary Constraint:

Secondary Constraint:

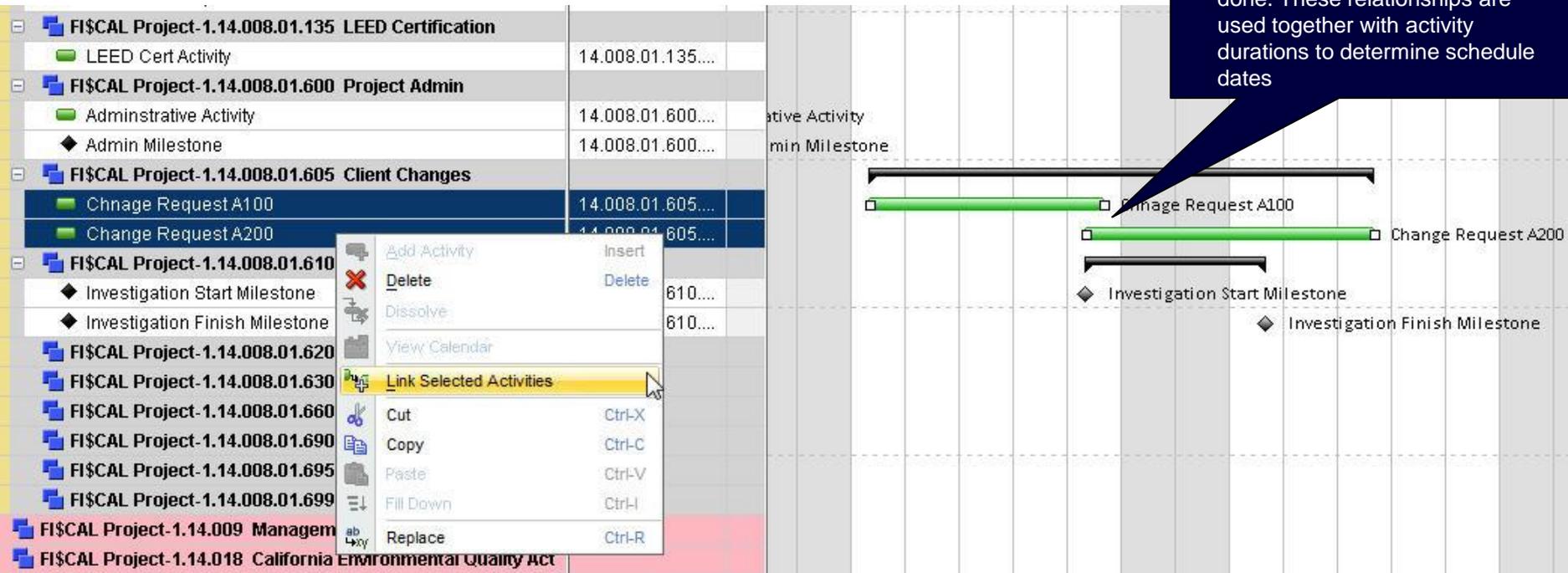
Assignments Codes **General** Notebooks Risks Documents

- Activity values allow you to label your activities with greater detail
- Activity Codes enable you to categorize activities into logical groups based on your organization's criteria

Scenario – 1: Schedule a Project

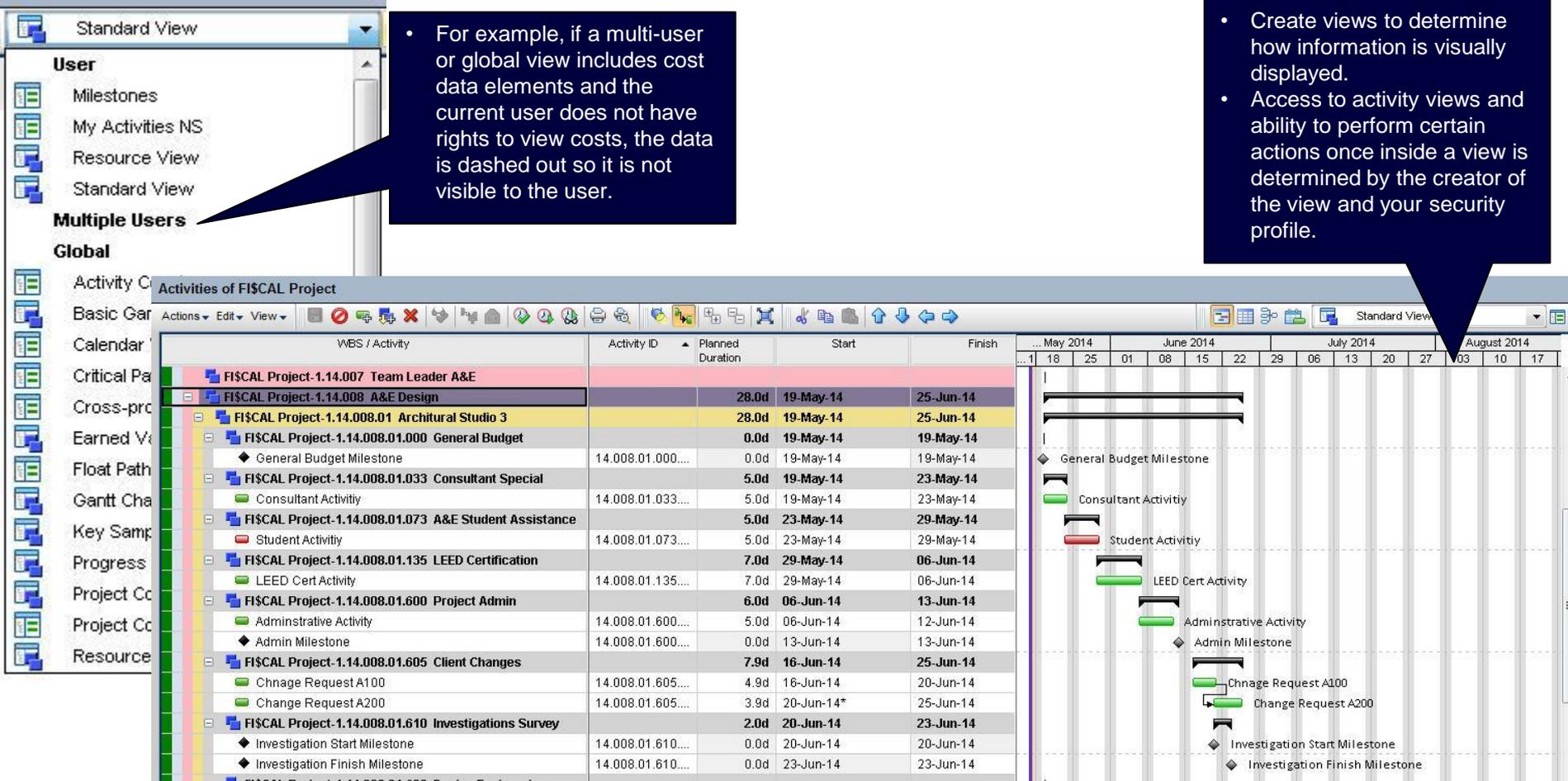
Schedule a Project: Establish Activity Relationships

- An activity can have as many relationships as necessary to model the work that must be done. These relationships are used together with activity durations to determine schedule dates



Scenario – 1: Schedule a Project

Schedule a Project: Demonstrate Activity Views



The screenshot displays a project management application with a sidebar on the left containing view options: Standard View, Milestones, My Activities NS, Resource View, and Standard View. Below these are sections for Multiple Users and Global. The main window shows a table of activities for 'Activities of FI\$CAL Project' with columns for WBS / Activity, Activity ID, Planned Duration, Start, and Finish. A Gantt chart on the right visualizes these activities from May 2014 to August 2014.

WBS / Activity	Activity ID	Planned Duration	Start	Finish
FI\$CAL Project-1.14.007 Team Leader A&E				
FI\$CAL Project-1.14.008 A&E Design		28.0d	19-May-14	25-Jun-14
FI\$CAL Project-1.14.008.01 Architectural Studio 3		28.0d	19-May-14	25-Jun-14
FI\$CAL Project-1.14.008.01.000 General Budget		0.0d	19-May-14	19-May-14
General Budget Milestone	14.008.01.000....	0.0d	19-May-14	19-May-14
FI\$CAL Project-1.14.008.01.033 Consultant Special		5.0d	19-May-14	23-May-14
Consultant Activity	14.008.01.033....	5.0d	19-May-14	23-May-14
FI\$CAL Project-1.14.008.01.073 A&E Student Assistance		5.0d	23-May-14	29-May-14
Student Activity	14.008.01.073....	5.0d	23-May-14	29-May-14
FI\$CAL Project-1.14.008.01.135 LEED Certification		7.0d	29-May-14	06-Jun-14
LEED Cert Activity	14.008.01.135....	7.0d	29-May-14	06-Jun-14
FI\$CAL Project-1.14.008.01.600 Project Admin		6.0d	06-Jun-14	13-Jun-14
Administrative Activity	14.008.01.600....	5.0d	06-Jun-14	12-Jun-14
Admin Milestone	14.008.01.600....	0.0d	13-Jun-14	13-Jun-14
FI\$CAL Project-1.14.008.01.605 Client Changes		7.9d	16-Jun-14	25-Jun-14
Chnage Request A100	14.008.01.605....	4.9d	16-Jun-14	20-Jun-14
Change Request A200	14.008.01.605....	3.9d	20-Jun-14*	25-Jun-14
FI\$CAL Project-1.14.008.01.610 Investigations Survey		2.0d	20-Jun-14	23-Jun-14
Investigation Start Milestone	14.008.01.610....	0.0d	20-Jun-14	20-Jun-14
Investigation Finish Milestone	14.008.01.610....	0.0d	23-Jun-14	23-Jun-14

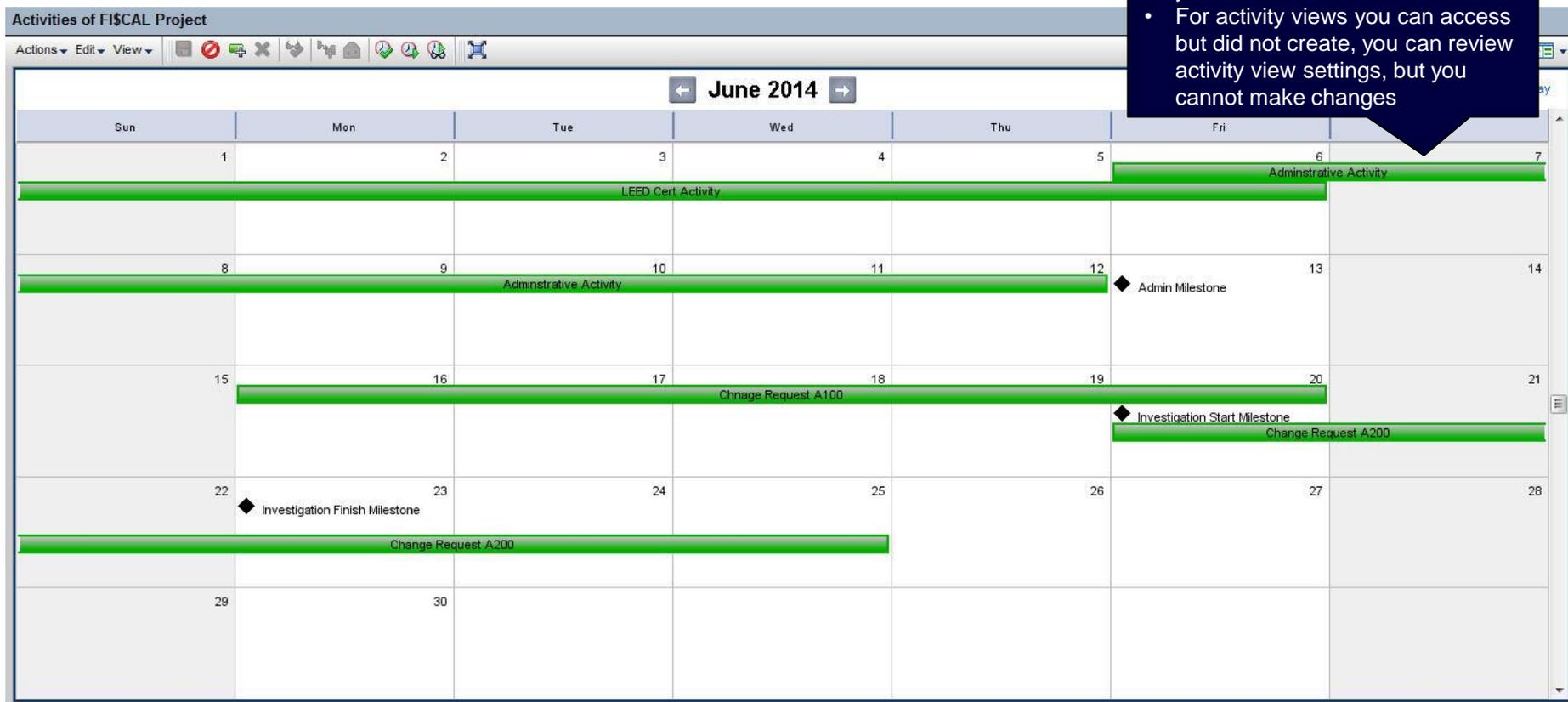
- For example, if a multi-user or global view includes cost data elements and the current user does not have rights to view costs, the data is dashed out so it is not visible to the user.

- Create views to determine how information is visually displayed.
- Access to activity views and ability to perform certain actions once inside a view is determined by the creator of the view and your security profile.

Scenario – 1: Schedule a Project

Schedule a Project: Demonstrate Activity Views Cont'd

- You can configure the content and organization of any activity view you create.
- For activity views you can access but did not create, you can review activity view settings, but you cannot make changes



Scenario – 2: Manage Resources

ID		Requirement Description	How Met
Project Resource Management			
PR	7.00	The System shall allow users to assign resource (e.g. employee, role, authority) and tasks	Out of the Box
PR	8.00	The System shall generate an estimated project schedule and budget based on resource assignments	Out of the Box
PR	60.00	The System shall allow users to assign resources to projects and calculate workload projects by program, project manager, and month using both budgeted hours and budgeted dollars	Out of the Box
PR	79.00	The System shall allow users to assign resources by tasks to each project	Out of the Box
PR	80.00	The System should identify a resource as scheduled and available to assign to a project by date and hours.	Out of the Box
PR	81.00	The System should integrate scheduled resources with workload forecasting	Out of the Box
PR	82.00	The System should allow users to analyze the report impacts of changes in resource allocation to workload and schedule on a project.	Out of the Box
PR	83.00	The System should provide workload analysis based on resource, scheduling, budgeting and remaining hours by resource groups	Out of the Box

Key Terms

Term	Definition
Role	Roles represent personnel job titles or skills needed to execute projects. Architect, general laborer, quality assurance tester, and engineer are all examples of possible roles.
Role Teams	A role team is a collection of roles that are often needed on the same project or the same activities. Role teams are useful when you want to categorize and view allocation for related roles
Portlet	Portlets are small expandable windows representing a specific theme or particular subject matter. These shared dashboards or workspaces provide a centralized place for collaborating with other users.

Scenario – 2: Manage Resources

Manage Resources: View Roles and Resources

- You can establish an unlimited number of roles and organize them in a hierarchy for easier management and assignment.
- The set of roles you assign to an activity defines the activity's skill requirements.

Resource Management					
Resources Resource Teams Roles Role Teams					
ID	Name	Resource Type	Primary Role		
-	E&C Resources	E&C Resources	Labor		<input checked="" type="checkbox"/>
+	Subcontractors	Subcontractor	Labor		<input checked="" type="checkbox"/>
+	Corporate	Corporate Resources	Labor		<input checked="" type="checkbox"/>
+	Trades	Trades	Labor		<input checked="" type="checkbox"/>
+	Purchasing	Purchasing Department	Labor		<input checked="" type="checkbox"/>
-	Engineering	Engineering Department	Labor		<input checked="" type="checkbox"/>
+	Amy Wills	Design Engineer	Labor	Engineer	<input checked="" type="checkbox"/> Engineering, E&C Resources
+	Mark Wright	Field Engineer	Labor	Engineer	<input checked="" type="checkbox"/> Engineering, E&C Resources
+	Bruno Dwight	Field Eng-Senior	Labor	Engineer	<input checked="" type="checkbox"/> Engineering, E&C Resources
+	Phil Cheng	Automation Systems Engineer	Labor	Engineer	<input checked="" type="checkbox"/> Engineering, E&C Resources
+	Mark Vinokur	Field Eng-Assistant	Labor	Engineer	<input checked="" type="checkbox"/> Engineering, E&C Resources
+	Bill Cruz	Instrumentation Engineer	Labor	Engineer	<input checked="" type="checkbox"/> Engineering, E&C Resources
+	Ryan Lopez	HVAC	Labor	Trades	<input checked="" type="checkbox"/> Engineering, E&C Resources
+	YoungJ	Jeff Young	Labor	Foreman	<input checked="" type="checkbox"/> Engineering, E&C Resources
+	Team	Team Member	Labor	Engineer	<input checked="" type="checkbox"/> Engineering, E&C Resources
+	Wendy Resner	Wendy Resner	Labor	Civil/Structural Crews	<input checked="" type="checkbox"/> Engineering, E&C Resources
+	KimP	HSR Project Manager	Labor	Management	<input checked="" type="checkbox"/> Engineering, E&C Resources
+	Steve Young	Steve Young	Labor	Foreman	<input checked="" type="checkbox"/> Engineering, E&C Resources
+	Alex Smith	Alex Smith	Labor	Foreman	<input checked="" type="checkbox"/> Engineering, E&C Resources
+	Management	Management	Labor		<input checked="" type="checkbox"/>
+	pruser	Progress Reporter User	Labor		<input checked="" type="checkbox"/>
+	Product Dev	Product Development Resources	Labor		<input checked="" type="checkbox"/>
+	IT	Information Technology Group	Labor		<input checked="" type="checkbox"/>

Scenario – 2: Manage Resources

Manage Resources: View Resources Unit and Price Information

- Use roles to define the activity's skill requirements and multiple price per unit rates and unit per time limits for each role to accurately plan future costs and allocation.

Resource Management

Resources | Resource Teams | Roles | Role Teams

ID	Name	Resource Type	Primary Role	Active	Resource
+	E&C Resources	E&C Resources	Labor	<input checked="" type="checkbox"/>	
+	Subcontractors	Subcontractor	Labor	<input checked="" type="checkbox"/>	
+	Corporate	Corporate Resources	Labor	<input checked="" type="checkbox"/>	
+	Trades	Trades	Labor	<input checked="" type="checkbox"/>	
+	Purchasing	Purchasing Department	Labor	<input checked="" type="checkbox"/>	
+	Engineering	Engineering Department	Labor	<input checked="" type="checkbox"/>	
+	Mark Wright	Field Engineer	Labor	<input checked="" type="checkbox"/>	Engineering, E&C Resources
+	Amy Wills	Design Engineer	Labor	<input checked="" type="checkbox"/>	E&C Resources, Engineering AmyWills_9861
+	Bruno Dwight	Field Eng-Senior	Labor	<input checked="" type="checkbox"/>	Engineering, E&C Resources
+	Phil Cheng	Automation Systems Engineer	Labor	<input checked="" type="checkbox"/>	Engineering, E&C Resources
+	Mark Vinokur	Field Eng-Assistant	Labor	<input checked="" type="checkbox"/>	Engineering, E&C Resources

Units and Prices
Design Engineer

Effective Date	Max Units/Time	Standard Rate	Internal Rate	External Rate	Price / Unit4	Price / Unit5	Shift Start Hour
01-Jan-14	100%	65/h	65/h	140/h			
01-Jan-13	100%	60/h	60/h	130/h			
01-Jan-12	100%	55/h	55/h	120/h			

General | Roles | Resource Teams | Codes | Notes | Units and Prices | Settings

Scenario – 2: Manage Resources

Manage Resources: View Resources Teams

Resource Management	
Resources	Resource Teams
	
Name	Resources
[-] Global Resource Teams	
Contractor Resources	Lane Mathis, CIO, Roy Li, Amit Chopra, Molly Abraham, Jo ...
Product Dev Resources	Andrea Casey, Paul Riley, Gary Marshall, Cindy Lee, Frank...
Corporate Resources	Rea Johnson, Lori McNeil, Judy Billings, Frank Chu, BPM Co...
IT Resources	Glen Anderson, VP Development, Ian Vincent, Mandy Charl...
Product Operations Group	Frank Hill, Larry West, Sue Baxter, Alice Wynn
Product Marketing Group	Lendell Jackson, Sam Rickels, Peg lthan
Trades	Painter, Concrete Finisher, Elevator Installer, Electrician, Flo...
Business Process PMO	Rea Johnson, Lori McNeil, Ben Frost, Peter Cooper, Michell...
Manufacturing Engineering...	Andrea Casey, Paul Riley, Gary Marshall, Cindy Lee, Rober...
E&C Resources	Painter, Automation Systems Engineer, Team Member, Stev...
Operations	Judy Billings, Frank Chu, Wayne Prescott
External Contractors	BPM Consultant 1, BPM Consultant 2, BPM Consultant 3
Engineering	Automation Systems Engineer, Team Member, Steve Youn...
Management	Project Managers, Owen McGuire, Project Manager
Subcontractors	Administrator, Fabrication, Millwork Subcontractor, Thermal...
User Resource Teams	

• Role teams allow you to categorize and group roles so you can readily find data relating to a particular role.

Scenario – 2: Manage Resources

Manage Resources: Assign Roles to Activities

- During Project planning assign roles to activities to act as placeholders until you have identified and assigned a resource to fill that role
- Roles set parameters for the skill set of the resource needed to fill that role

The screenshot displays the 'Activities of FI\$CAL Project' window with a table of project tasks. A 'Select Role' dialog box is open, showing a role hierarchy. A callout box highlights the 'Assign Role and Save (Ctrl+Alt+O)' button in the Assignments section.

WBS / Activity	Planned Duration	Start	Finish	Activity % Complete	Resource
Student Activity	5.0d	23-May-14	29-May-14	0%	
LEED Certification	7.0d	29-May-14	05-Jun-14		
LEED Cert Activity	7.0d	29-May-14			
Project Admin	6.0d	06-Jun-14			
Administrative Activity	5.0d	06-Jun-14			
Admin Milestone	0.0d	13-Jun-14			
Client Changes	7.9d	16-Jun-14			
Change Request A100	4.9d	16-Jun-14			
Change Request A200	3.9d	20-Jun-14*			
Investigations Survey	2.0d	20-Jun-14			
Investigation Start Milestone	0.0d	20-Jun-14			
Investigation Finish Milestone	0.0d	23-Jun-14			
Design Engineering	22.0d	20-Jun-14			

Select Role Dialog:

- View Roles by: Role Hierarchy
- Search: []
- Tree structure:
 - FPC - Facilities Planning & Construction
 - E&C - E&C Roles
 - Trades - Trades
 - Construction - Construction
 - Civil/Structural - Civil/Structural Crews
 - Foreman - Foreman
 - Manage - Management
 - Engr - Engineer
 - E&C Shared - E&C Shared Services
 - IT - IT Roles
 - CORP - Corporate Roles
 - PROD - Product Development Roles
 - Power - Power Generation Specific Roles
 - Engr_WV - Energy West HR

Assignments Section:

Assignments

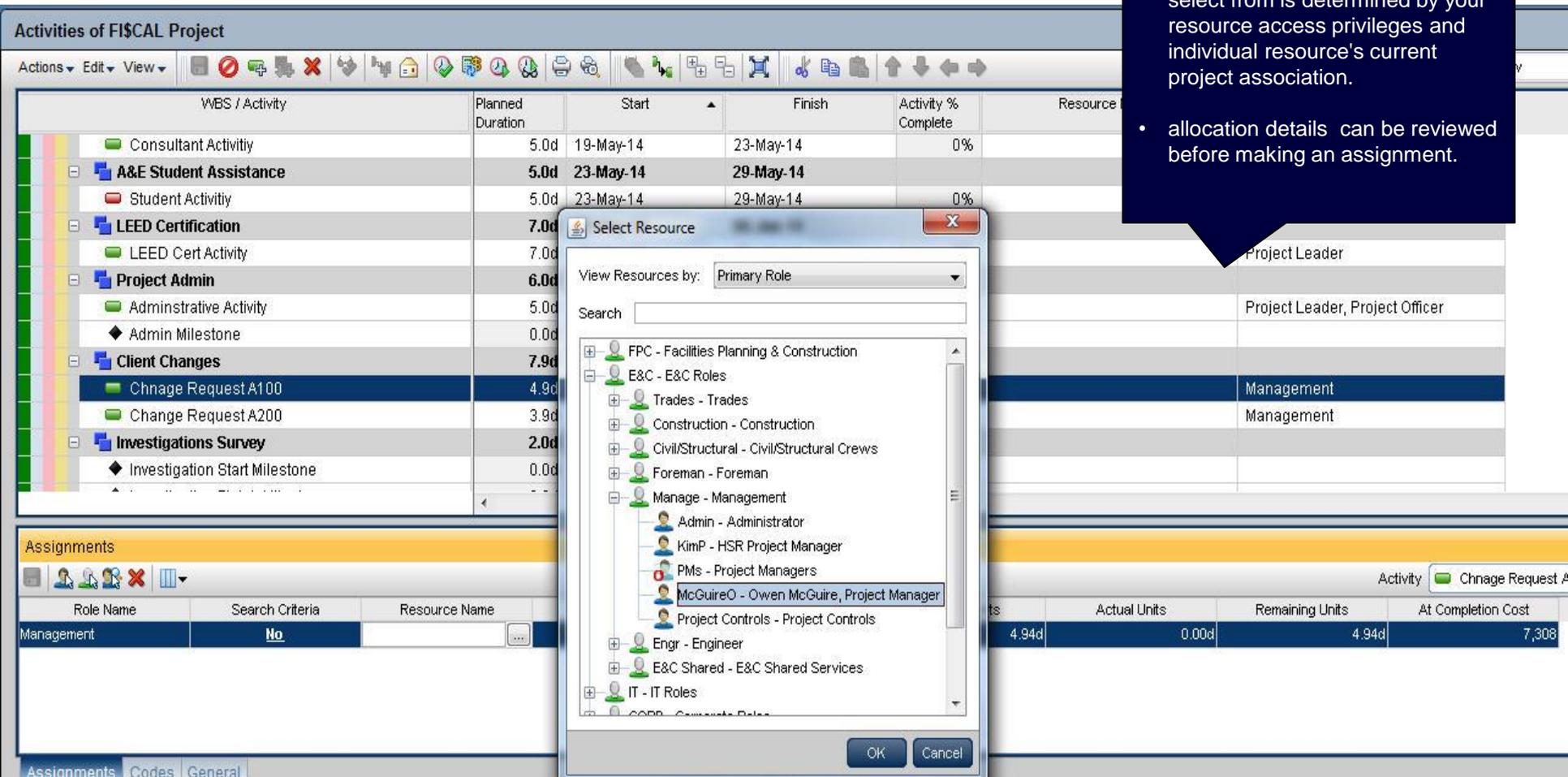
Role Name | Search Criteria | Resource Name | Planned Duration

Assign Role and Save (Ctrl+Alt+O)

Scenario – 2: Manage Resources

Manage Resources: Fill an Unstaffed Role

- The list of resources you can select from is determined by your resource access privileges and individual resource's current project association.
- allocation details can be reviewed before making an assignment.



Activities of FI\$CAL Project

WBS / Activity	Planned Duration	Start	Finish	Activity % Complete	Resource
Consultant Activity	5.0d	19-May-14	23-May-14	0%	
[-] A&E Student Assistance	5.0d	23-May-14	29-May-14	0%	
Student Activity	5.0d	23-May-14	29-May-14	0%	
[-] LEED Certification	7.0d				
LEED Cert Activity	7.0d				
[-] Project Admin	6.0d				
Administrative Activity	5.0d				
Admin Milestone	0.0d				
[-] Client Changes	7.9d				
Change Request A100	4.9d				
Change Request A200	3.9d				
[-] Investigations Survey	2.0d				
Investigation Start Milestone	0.0d				

Assignments

Role Name	Search Criteria	Resource Name
Management	No	

Select Resource Dialog

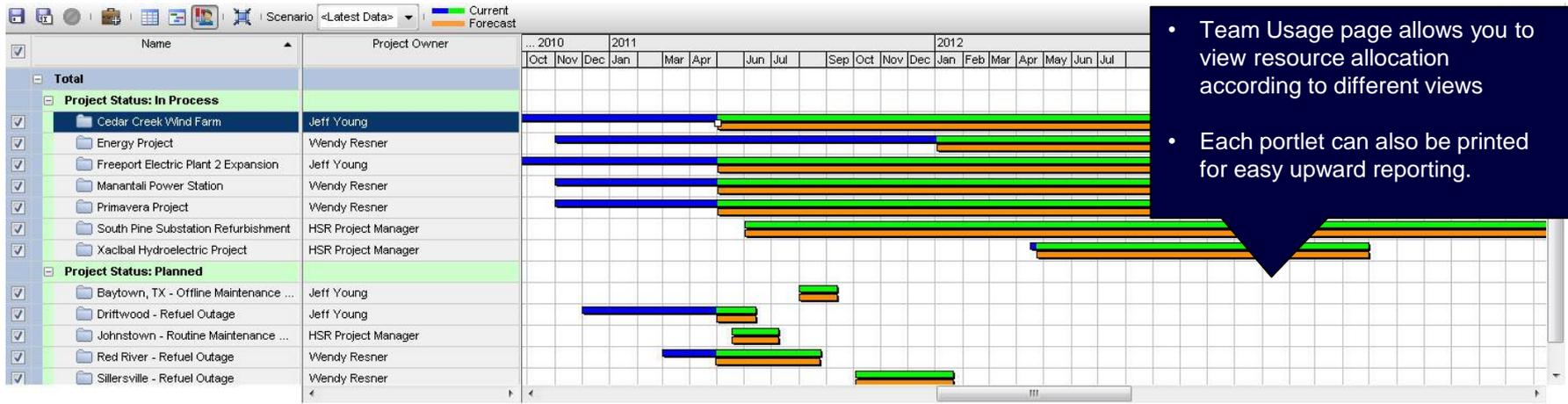
View Resources by: Primary Role

Search: _____

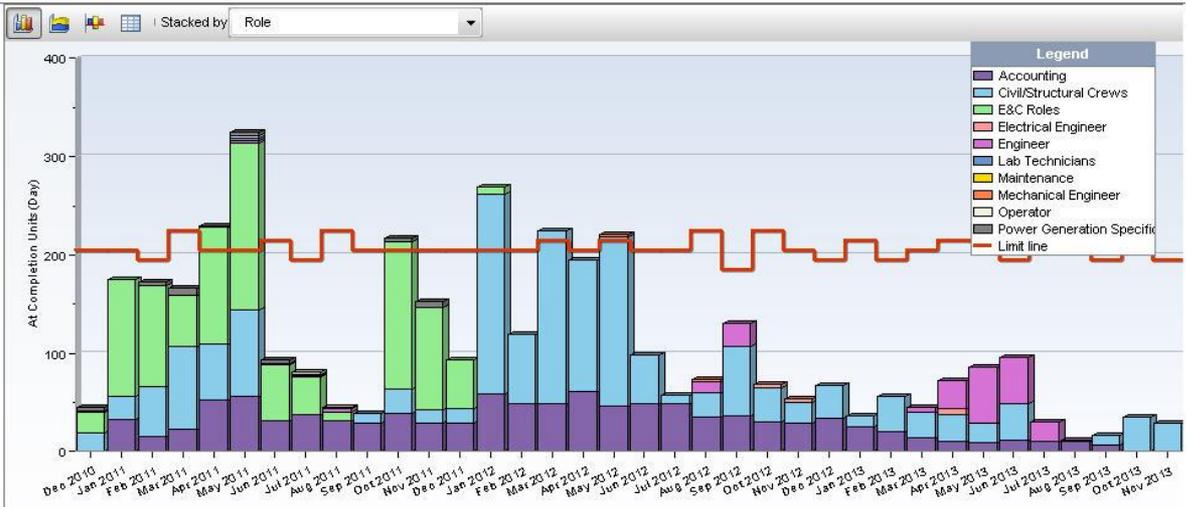
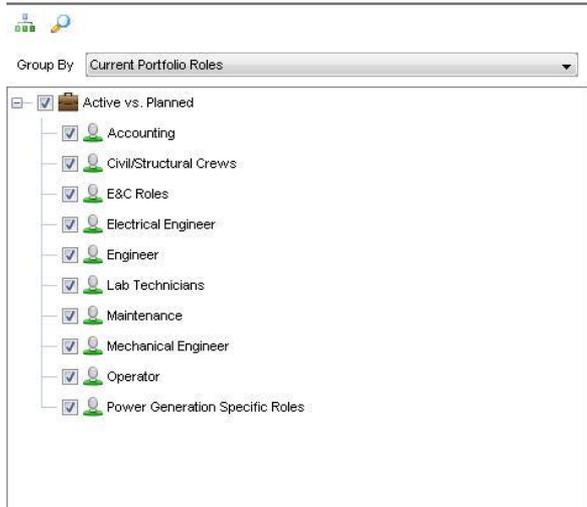
- FPC - Facilities Planning & Construction
 - E&C - E&C Roles
 - Trades - Trades
 - Construction - Construction
 - Civil/Structural - Civil/Structural Crews
 - Foreman - Foreman
 - Manage - Management
 - Admin - Administrator
 - KimP - HSR Project Manager
 - PMS - Project Managers
 - McGuireO - Owen McGuire, Project Manager
 - Project Controls - Project Controls
 - Engr - Engineer
 - E&C Shared - E&C Shared Services
 - IT - IT Roles
 - CCPB - Contracts Rel...

Scenario – 2: Manage Resources

Manage Resources: Tour Team Usage Page

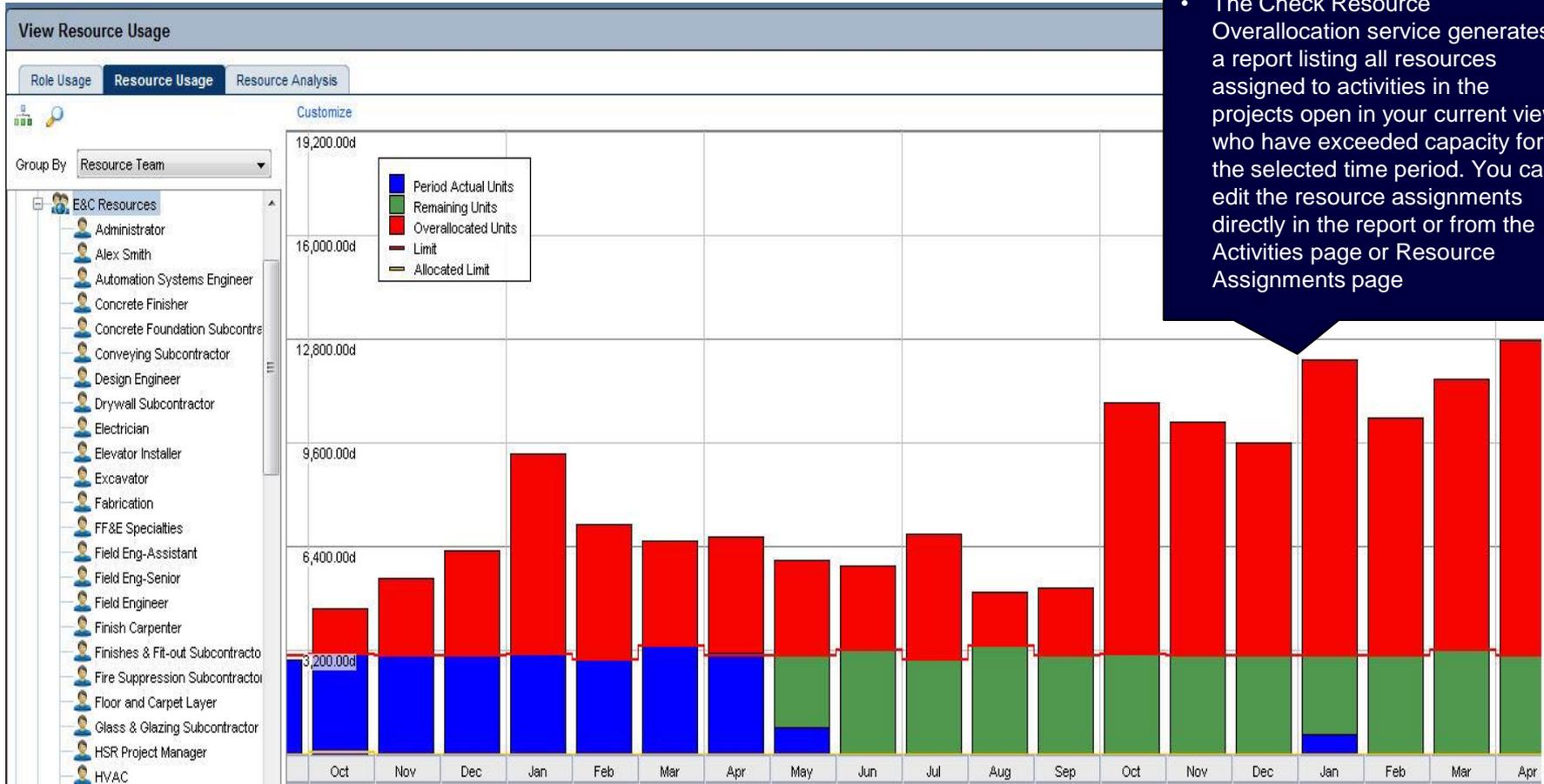


- Team Usage page allows you to view resource allocation according to different views
- Each portlet can also be printed for easy upward reporting.



Scenario – 2: Manage Resources

Manage Resources: Show Resource Over Allocation Report



• The Check Resource Overallocation service generates a report listing all resources assigned to activities in the projects open in your current view who have exceeded capacity for the selected time period. You can edit the resource assignments directly in the report or from the Activities page or Resource Assignments page

Scenario – 3 : Manage Contracts

ID		Requirement Description	How Met
Project Contract Management			
PR	2.00	The System shall automatically compare available funds to estimated and actual project costs including change requests	Configuration
PR	65.00	The System should link project documents and track and report the status of project issues such as RFI's, ASI's, Field Directives, Submittals, design documents, correspondence, meeting minutes, and transmittals.	Configuration
PR	69.00	The System shall allow users to create, assign, track and monitor action and response times required by assigned party.	Out of the Box
PR	70.00	The System shall track and monitor the date-to-day cost issues and events on a project including proposed change orders, change orders and risk/cost issues.	Out of the Box
PR	71.00	The System shall allow users to identify monies being withheld from monthly progress payments for administrative deductions, labor compliance violations, subcontractor stop notices and other withholds as specified in the contract.	Configuration
PR	72.00	The system shall calculate and generate project soft cost estimates, track project estimates to actual, and generate variance reports.	Configuration

Key Terms

Term	Definition
Cost Breakdown Structure (CBS)	Hierarchical breakdown of a project into cost elements.
Cost Worksheet	The Cost Worksheet provides a central location where you can collect and track commitments, budget, and actual information and quickly check the financial status of your project.

Scenario – 3: Manage Contracts

Manage Contracts: Create a Contract

FI\$CAL Project (DEMO) Contract : AA450-01000 | Standard Paving, Inc.

Control Center > Contracts - Committed Log > Contract >

General	Review Status	Contract Summary	Line Items	Details	Schedule	Custom Fields	Issues	Attachments	
To * Standard Paving and Concrete, Inc. Jim Wesley		From * ACME Company Steve Johnson		Number * AA450-01000		Title Earthwork		Dated Dec 2, 2013	
Spec Section 02300 (Earthwork)		Total Cost \$522,983.00		* Required					

- PCM can be used to track commitments between the owner and vendors
- Line Item Details use Cost Breakdown Structure or (CBS) Codes to itemize the cost of the contract.

Line Item No.	Quantity	Units of Measure	Description	Unit Price	Net Amount	Tax Rate	Sales Tax	Line Item Total	Material
00001	135.000	Linear	15" RCP Culvert Pipe	\$9.00000	\$1,215.00	0.000	\$0.00	\$1,215.00	15PIPE
00002	150.000	Linear	18" RCP Culvert Pipe	\$11.00000	\$1,650.00	0.000	\$0.00	\$1,650.00	18PIPE
00003	216.000	Linear	24" RCP Culvert Pipe	\$14.50000	\$3,132.00	0.000	\$0.00	\$3,132.00	24PIPE
00004	90.000	Linear	34" X 22" HF-3	\$39.40000	\$3,546.00	0.000	\$0.00	\$3,546.00	HF-3
00005	1.000	Unit	Storm Drain Type A	\$1,300.00000	\$1,300.00	0.000	\$0.00	\$1,300.00	STORMDRAIN A
00006	6.000	Unit	Storm Drain Type B	\$800.00000	\$4,800.00	0.000	\$0.00	\$4,800.00	STORMDRAIN B
00007			Lump Sum		\$507,340.00	0.000	\$0.00	\$507,340.00	

Scenario – 3: Manage Contracts

Manage Contracts: Create a Change Order

- Changes or Amendments to the Contract are monitored by Change Orders in PCM
- Change Orders track the original Contract or PO and the total changes to date

Control Center > Change Orders Log > Change Order >

General | Review Status | Summary | Line Items | Details | Schedule | Custom Fields | Issues | Attachments

Type * Change Order

Contract * Summary (AA450-00012)

To * ACME Company
Steve Johnson

From * City of Philadelphia
Michael Stull

Number * 00001

Title Underground Utilities

Date Jan 6, 2014

Total Cost \$3,300.00

Time Change (days) 2

* Required

Control Center > Change Orders Log > Change Order >

General | Review Status | **Summary** | Line Items | Details | Schedule

Details Markup for Changes

Update Totals	
Original Contract/PO Sum	\$10,000,000.00
Net Amount of Previous Changes	\$0.00
Contract/PO Sum Prior to This Change	\$10,000,000.00
Current Change Value	\$3,300.00
Current Contract/PO Sum	\$10,003,300.00

Scenario – 3: Manage Contracts

Manage Contracts: Show Cost Worksheet

- The Cost Worksheet in PCM aggregates cost transactions grouped by line item to display cost information across the project.
- Standard reports and forms are provided for you to use to print Cost Worksheet reports and forms.

FI\$CAL Project (DEMO) Cost Worksheet

Control Center > Cost Worksheet > Find Layout: Cost Worksheet

Cost Code	Title	Original Budget	Approved Budget Revisions	Revised Budget		
01 01100 O	Summary	\$240,000.00	\$0.00	\$240,000.00		
01 01300 D	Administration Requirements	\$274,264.12	\$0.00	\$274,264.12		
01 01300 O	Administration Reqmnts - Schedule	\$244,500.00	\$0.00	\$244,500.00		
01 01400 S	Quality Requirements - Testing	\$65,000.00	\$0.00	\$65,000.00		
01 01400 V	Quality Requirements - Software	\$7,735.88	\$0.00	\$7,735.88		
01 01500 O	Temporary Facilities and Controls	\$235,000.00	\$0.00	\$235,000.00	\$0.00	\$
01 01500 S	Temporary Facilities and Controls	\$35,000.00	\$0.00	\$35,000.00	\$0.00	\$
01 01700 D	Execution Safety Requirements	\$150,000.00	\$0.00	\$150,000.00	\$0.00	\$
01 01700 O	Execution - Insurance & Taxes	\$65,000.00	\$0.00	\$65,000.00	\$0.00	\$
01 01740 O	Execution Requirements - Permits	\$100,000.00	\$0.00	\$100,000.00	\$0.00	\$
01 01750 O	Execution Requirements -Legal Fees	\$100,000.00	\$0.00	\$100,000.00	\$0.00	\$
02 02050 D	Basic Site Materials	\$121,000.00	\$0.00	\$121,000.00	\$0.00	\$
02 02100 D	Site Remediation	\$150,000.00	\$0.00	\$150,000.00	\$0.00	\$
02 02100 S	Excavation	\$75,000.00	\$0.00	\$75,000.00	\$0.00	\$
02 02110 S	Site Remediation Supervision	\$26,000.00	\$0.00	\$26,000.00	\$0.00	\$
02 02200 S	Site Preparation	\$48,000.00	\$0.00	\$48,000.00	\$0.00	\$
02 02300 S	Earthwork & Landscaping	\$250,000.00	\$0.00	\$250,000.00	\$0.00	\$
02 02500 S	Utility Services	\$105,000.00	\$3,300.00	\$108,300.00	\$0.00	\$
02 02700 S	Bases and Paving	\$66,500.00	\$0.00	\$66,500.00	\$8,000.00	\$
02 02950 D	Site Restoration & Rehabilitation	\$20,000.00	\$0.00	\$20,000.00	\$0.00	\$
03 03300 S	Cast-in-Place Concrete	\$1,755,000.00	\$0.00	\$1,755,000.00	\$0.00	\$
03 03400 V	Precast Concrete	\$35,000.00	\$0.00	\$35,000.00	\$0.00	\$
Log Totals:		\$10,000,000.00	\$19,150.00	\$10,019,150.00	\$22,000.00	\$2,750.00

Scenario – 3: Manage Contracts

Manage Contracts: Create Contract

Favorites > Main Menu > Procurement Contracts > Add/Update Contracts

ORACLE

Contract Entry

Activity Log

Entered

By User: VLad
Date: 04/29/2014

Modified

By User: VLad
Date/Time: 04/29/2014 5:34:17PM

Approved

By User:
Date:

Return

- Activity Log – tracks who and when contract was entered, last modified, and approved
- Contract Activities – online log

Contract Entry

Contract Activities

SetID: SHARE Contract ID: 00000000000000000000000051 Version: 1

Activities Personalize | Find | View All | First 1 of 1 | Last

Version	*Due Date	Done	*Comments
1	1 <input type="text"/>	<input type="checkbox"/>	<input type="text"/>

OK Cancel Refresh

Scenario – 3: Manage Contracts

Manage Contracts: Create Contract - PeopleSoft

Primary Contract:

Vendor Contract Ref:

Description:

Master Contract ID:

Tax Exempt

Line Item Released Amount: 0.00
 Category Released Amount: 0.00
 Open Item Released Amount: 0.00
 Total Released Amount: 0.00
 Remaining Amount: 1,000.00
 Remaining Percent: 100.00

Order Contract Options

Allow Multicurrency PO Allow Open Item Reference Must Use Contract Rate Date Rate Date: 04/29/2014
 Corporate Contract Adjust Vendor Pricing First Auto Default
 Lock Chartfields Price Can Be Changed on Order
 PO Defaults Add Open Item Price Adjustments Price Adjustment Template

Contract Items

Catalog Search Item Search Search for Contract Lines

Lines Personalize | Find | View All | First 1 of 1 Last

Details Order By Amount Item Information Default Schedule Release Amounts Release Quantities Line Groupings Spend Threshold

Line	Item	Description	UOM	Category	Include for Release	Status
1	<input type="text"/>	Cleaning and <input type="text"/>	EA	SERVICES	<input checked="" type="checkbox"/>	Active

View Category Hierarchy Category Search

Contract Categories

Lines Personalize | Find | View All | First 1 of 1 Last

Details Pricing Options Release Amounts Spend Threshold

Line	Category	Description	Status
1	<input type="text"/>	<input type="text"/>	Active

Line groupings can be used to add additional information related to the WBS.

Technology Considerations

- Interfaces
 - PCM/P6 to/from PeopleSoft
 - PAL to/from PeopleSoft

- Conversions
 - Contracts
 - Project Scheduling Information (MS Project)
 - Project Financial Information (ABMS)

- Data Protection
 - Consistent with Vendor Contracts
 - Consistent with Project Costing

Data Protection Overview

- FI\$Cal will receive and retain various types of data that will need to be protected. All data can be classified as:
 - Public
 - Personally Identifiable Information
 - Sensitive
 - Confidential

- Various state agencies assisted FI\$Cal in the development of a **Data Classification and Protection Framework**

Data Protection Overview

- All data that is received, retained, and transmitted by FI\$Cal protected by:
 - Business Unit
 - Encryption
 - Role Based Access

- In addition, data classified as PII, sensitive, and confidential will receive the additional protection of:
 - Masked
 - Tracking when added, updated, deleted, and read
 - Role Based Access, such as Confidential User

Data Protection – Key Terms

Conversion	Definition
Public Information	Information maintained by state agencies that is not exempt from disclosure under the provisions of state or federal laws.
Confidential Information	Information maintained by state agencies that is exempt from disclosure under the provisions of state or federal laws.
Sensitive Information	Information maintained by state agencies that requires special precautions to protect from unauthorized use, access, disclosure, modification, loss, or deletion. Sensitive information may be either public or confidential.
Personally Identifiable Information	Information that identifies or describes an individual. This information must be protected from inappropriate access, use, or disclosure and must be made accessible to data subjects upon request.

Data Protection – Next Steps

- Opportunity to request additional data protection in Wave 2 task
TECH201: Review Data Classification and Protection Framework

Related CRPs

- Project Costing
- Grants and Federal Funds
- Administer Vendor Contracts

Question and Answer



FI\$Cal Project Information:

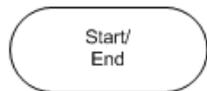
<http://www.fiscal.ca.gov/>

or e-mail the FI\$Cal Project Team at:

fiscal.cmo@fiscal.ca.gov

Appendix

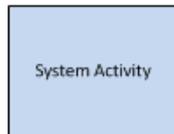
Guide to Symbols in Flows



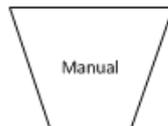
Start/End - Indicates point at which the process begins or ends. Does not represent any activity.



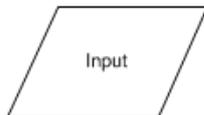
Decision - shows a decision point, such as yes/no. Each path emerging from the diamond is labeled with one of the possible answers.



System Task - Represents an individual step or activity in FI\$Cal.



Manual Task - Represents an individual step or activity in the process that is made out of FI\$Cal.



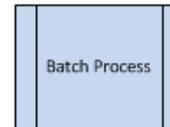
Input Documents - A paper document (or email) that is used for entering data in the process. For electronic data the Interface shape is used.



Connector - On/Off-Page Connector. Used to avoid complex overlapping connector lines or to continue a process on a subsequent page. Connectors are labeled with UPPER CASE letters.



Interface - Data conversion from one electronic system to another.



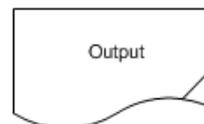
Batch Process - Represents a batch process within FI\$Cal.



Flow Arrow



Intra Integration Process - A input or Output to some other process within the same capability



Output Documents - An electronic document that is created by the process and can be printed (for example - any kind of report).

ChartField Cross Reference

