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Primavera P6 EPPM
Primavera Contract Management

PROJECT MANAGEMENT SOLUTIONS THAT SIMPLY WORK.

Oracle Primavera P6 Pro R8 Tips & Tricks

Don McNatty, PSP
Certified P6 Trainer / Implementation Specialist

Monthly Technical Webinar Series
February 2013

ORACLE
PRIMAVERA
Authorized Representative

Thank you for joining today's technical webinar

- **Mute** – all call in phones are automatically muted in order to preserve the quality of the audio for all attendees.
- **Questions** – during the session, questions can be submitted through the Questions Box on the right side of the screen . We will try to address your questions at the end of the presentation, time permitting.
- **Follow up** – all registrants will receive an Excel file listing all questions and responses along with a link to the recorded webinar.

Safe Harbor

- The statements made in this technical presentation are based on our current knowledge of the tools.
- Our statements should not be construed to be an official "Oracle perspective", but are intended to be the sharing of technical and user knowledge gained as we explore new paths and technologies, usually in advance of our clients.
- *Our statements should not be construed as in conflict with any Oracle statement, as the Oracle statement is likely made based on more current knowledge than is available to us.*

Twenty-five + years experience with Primavera

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Primavera P6 EPPM
Primavera Contract Management

- Oracle Primavera Software
- Oracle Certified Training
- Oracle Certified Implementation Support
- Project Support Services – administrators, schedulers, estimators
- **Managed Hosting Services through MLM Project Services**
  - Primavera Portfolios, P6 (web), P6 Pro, Contract Management, BI Publisher, Documents, Risk
  - Hard Dollar, Acumen Fuse, Ecosys, Prism G2…
- **Subscription based Oracle|Primavera solutions**

Business Process Outsourcing

POWERED BY
ORACLE

dmcnatty@drmcnatty.com

Tel. 877.367.7990

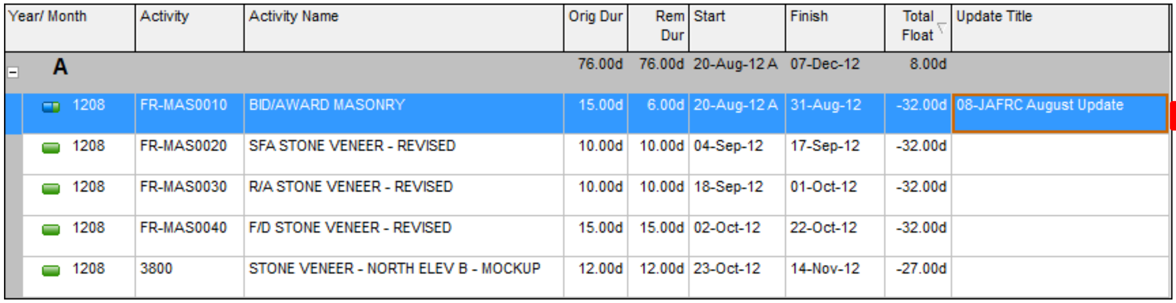
- Fill Down Command
- XML File Import
- Primavera Hotkeys
- Indicators for Schedule Performance
- User Defined Fields to Manage Layouts
- How to display the “true current schedule”
- Set a “Day of Week” Column for Start
- Activity Steps – details and earned value
- Dealing with “fractured durations”
- Dealing with “12:00am” start dates

Fill Down Command

When the same value needs to be copied to other rows in a column, the fill down feature lets you do that quickly.

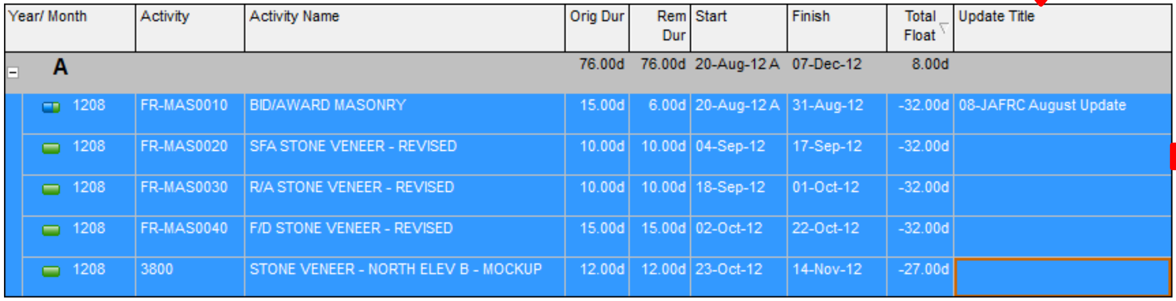
- Process:
  1) Works in all windows with table views.
  2) Select a source “cell” in a row
  3) Select one or more “destination” rows
  4) Copy the source value to the destination rows uisng either “Edit, Fill Down” or “Ctrl-E”.

Example – Fill Down



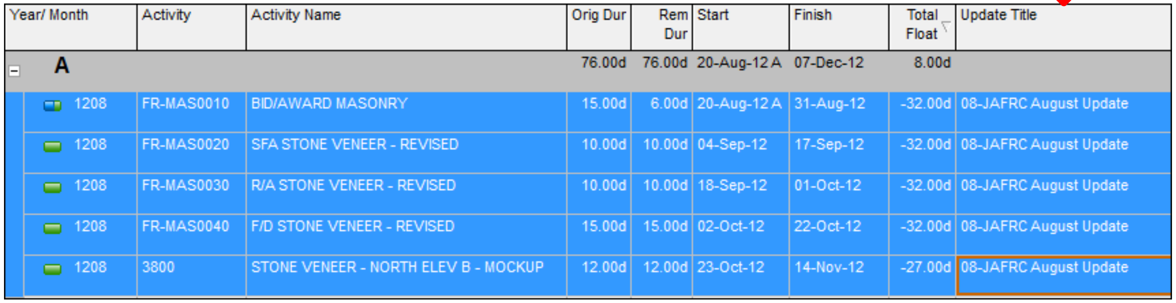
Year/ Month	Activity	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float	Update Title
A			76.00d	76.00d	20-Aug-12 A	07-Dec-12	8.00d	
1208	FR-MAS0010	BID/AWARD MASONRY	15.00d	6.00d	20-Aug-12 A	31-Aug-12	-32.00d	08-JAFRC August Update
1208	FR-MAS0020	SFA STONE VENEER - REVISED	10.00d	10.00d	04-Sep-12	17-Sep-12	-32.00d	
1208	FR-MAS0030	R/A STONE VENEER - REVISED	10.00d	10.00d	18-Sep-12	01-Oct-12	-32.00d	
1208	FR-MAS0040	F/D STONE VENEER - REVISED	15.00d	15.00d	02-Oct-12	22-Oct-12	-32.00d	
1208	3800	STONE VENEER - NORTH ELEV B - MOCKUP	12.00d	12.00d	23-Oct-12	14-Nov-12	-27.00d	

Select a Row and Column



Year/ Month	Activity	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float	Update Title
A			76.00d	76.00d	20-Aug-12 A	07-Dec-12	8.00d	
1208	FR-MAS0010	BID/AWARD MASONRY	15.00d	6.00d	20-Aug-12 A	31-Aug-12	-32.00d	08-JAFRC August Update
1208	FR-MAS0020	SFA STONE VENEER - REVISED	10.00d	10.00d	04-Sep-12	17-Sep-12	-32.00d	
1208	FR-MAS0030	R/A STONE VENEER - REVISED	10.00d	10.00d	18-Sep-12	01-Oct-12	-32.00d	
1208	FR-MAS0040	F/D STONE VENEER - REVISED	15.00d	15.00d	02-Oct-12	22-Oct-12	-32.00d	
1208	3800	STONE VENEER - NORTH ELEV B - MOCKUP	12.00d	12.00d	23-Oct-12	14-Nov-12	-27.00d	

Shift-click or Ctrl-click to select destination



Year/ Month	Activity	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float	Update Title
A			76.00d	76.00d	20-Aug-12 A	07-Dec-12	8.00d	
1208	FR-MAS0010	BID/AWARD MASONRY	15.00d	6.00d	20-Aug-12 A	31-Aug-12	-32.00d	08-JAFRC August Update
1208	FR-MAS0020	SFA STONE VENEER - REVISED	10.00d	10.00d	04-Sep-12	17-Sep-12	-32.00d	08-JAFRC August Update
1208	FR-MAS0030	R/A STONE VENEER - REVISED	10.00d	10.00d	18-Sep-12	01-Oct-12	-32.00d	08-JAFRC August Update
1208	FR-MAS0040	F/D STONE VENEER - REVISED	15.00d	15.00d	02-Oct-12	22-Oct-12	-32.00d	08-JAFRC August Update
1208	3800	STONE VENEER - NORTH ELEV B - MOCKUP	12.00d	12.00d	23-Oct-12	14-Nov-12	-27.00d	08-JAFRC August Update

Edit/Fill Down or Ctrl-E to execute the command

XML File Import

The XML file import format allows a greater level of control for importing "Global" data than XER imports.

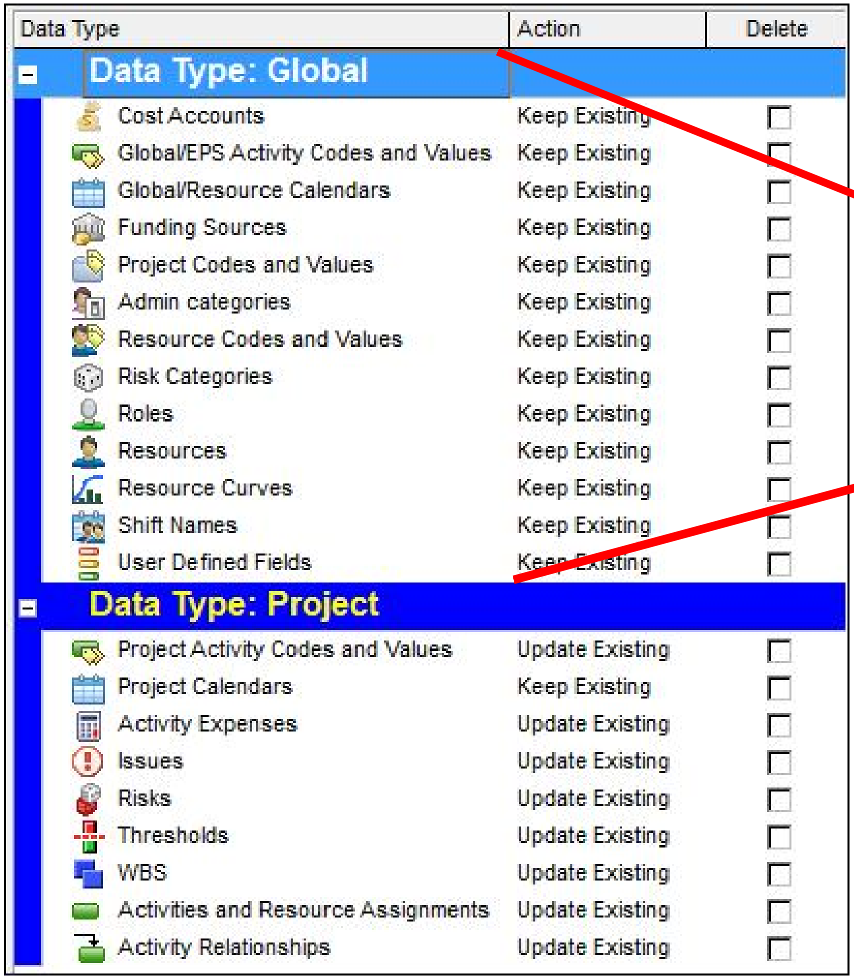
- Process:
  1) File, Import...

- XML Export/Import is limited to a single project
- XER Export/Import supports multiple projects
- P6 EPPM (web) only supports XML

- XML supports more choices for Global Data Import Control

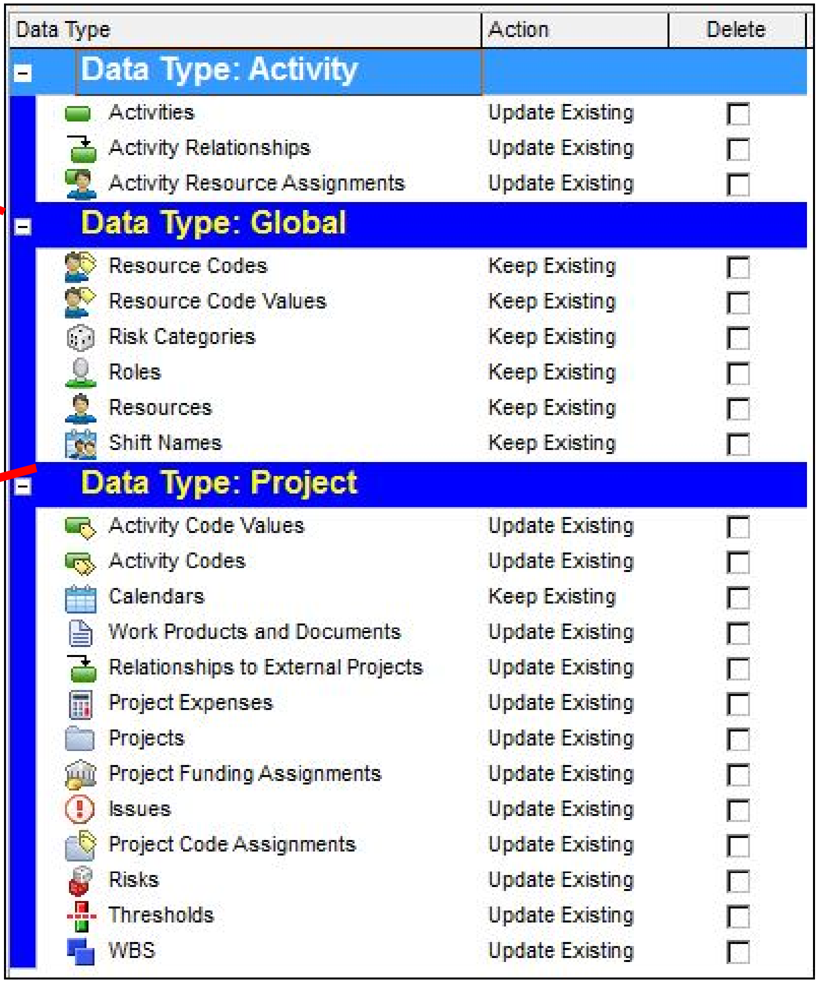
XML File Import

XML Import



Data Type	Action	Delete
Data Type: Global		
Cost Accounts	Keep Existing	☐
Global/EPS Activity Codes and Values	Keep Existing	☐
Global/Resource Calendars	Keep Existing	☐
Funding Sources	Keep Existing	☐
Project Codes and Values	Keep Existing	☐
Admin categories	Keep Existing	☐
Resource Codes and Values	Keep Existing	☐
Risk Categories	Keep Existing	☐
Roles	Keep Existing	☐
Resources	Keep Existing	☐
Resource Curves	Keep Existing	☐
Shift Names	Keep Existing	☐
User Defined Fields	Keep Existing	☐
Data Type: Project		
Project Activity Codes and Values	Update Existing	☐
Project Calendars	Keep Existing	☐
Activity Expenses	Update Existing	☐
Issues	Update Existing	☐
Risks	Update Existing	☐
Thresholds	Update Existing	☐
WBS	Update Existing	☐
Activities and Resource Assignments	Update Existing	☐
Activity Relationships	Update Existing	☐

XER Import



Data Type	Action	Delete
Data Type: Activity		
Activities	Update Existing	☐
Activity Relationships	Update Existing	☐
Activity Resource Assignments	Update Existing	☐
Data Type: Global		
Resource Codes	Keep Existing	☐
Resource Code Values	Keep Existing	☐
Risk Categories	Keep Existing	☐
Roles	Keep Existing	☐
Resources	Keep Existing	☐
Shift Names	Keep Existing	☐
Data Type: Project		
Activity Code Values	Update Existing	☐
Activity Codes	Update Existing	☐
Calendars	Keep Existing	☐
Work Products and Documents	Update Existing	☐
Relationships to External Projects	Update Existing	☐
Project Expenses	Update Existing	☐
Projects	Update Existing	☐
Project Funding Assignments	Update Existing	☐
Issues	Update Existing	☐
Project Code Assignments	Update Existing	☐
Risks	Update Existing	☐
Thresholds	Update Existing	☐
WBS	Update Existing	☐

Primavera Hotkeys

There are various Hotkeys available within P6 Client.

Command	Hotkeys
Create new project	Ctrl+N
Open an existing project	Ctrl+O
Close open projects	Ctrl+W
Commit changes	F10
Refresh current screen	F5
Undo	Ctrl+Z
Reorganize layout	Shift+F2
Schedule	F9
Level Resources	Shift+F9
Find next	F3
Fill-down	Ctrl+E
Spell Check	F7

Indicators for Critical Activities

Using a combination of Global Change and “Indicators” you can graphically communicate in a Layout.

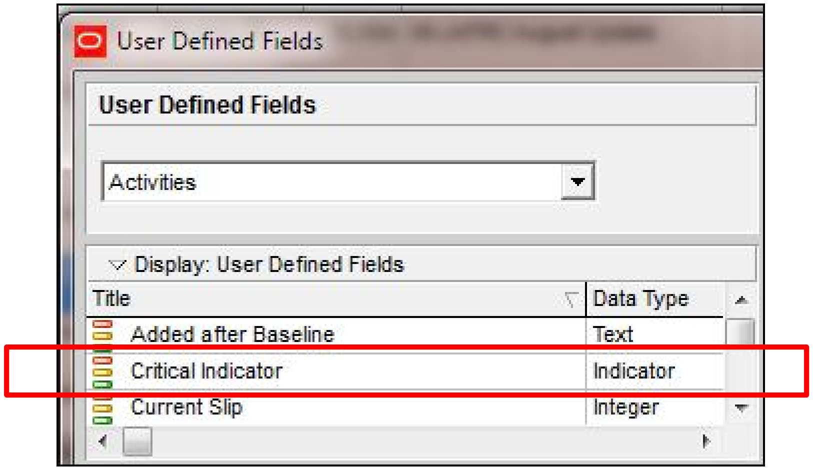
- User Defined Fields, Type = Indicator
- Manage manually or with Global Change

- Example:
    1. Create an Indicator for “Critical”
    2. Create a Global Change to Set Indicator to Red if the activity is critical

Indicator for Critical Activity

- For Activity List Reports (no bar chart)

1. Create a User Defined Field



User Defined Fields

User Defined Fields

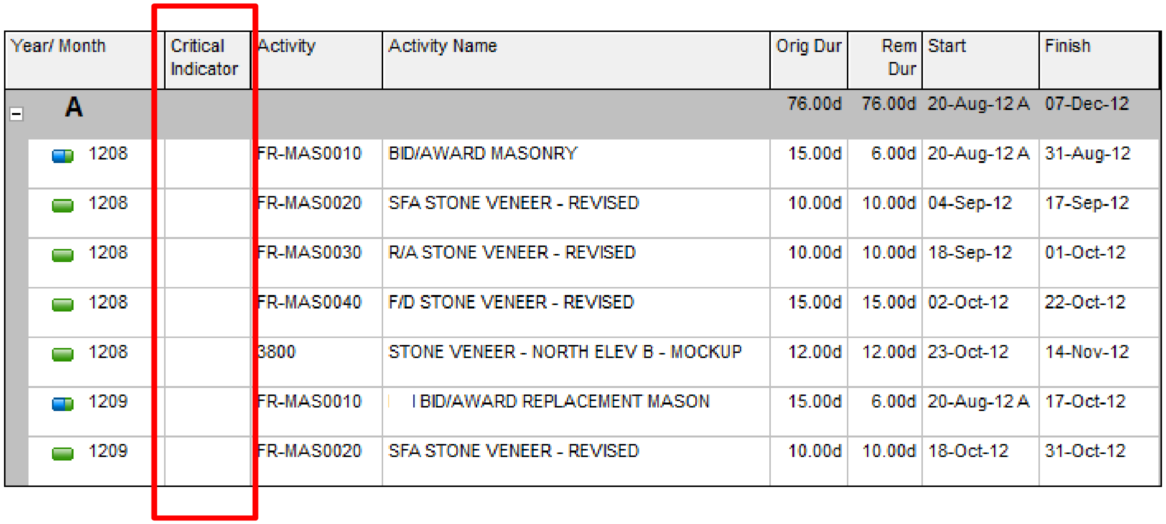
Activities

Display: User Defined Fields

Title	Data Type
Added after Baseline	Text
Critical Indicator	Indicator
Current Slip	Integer

Indicator for Critical Activity

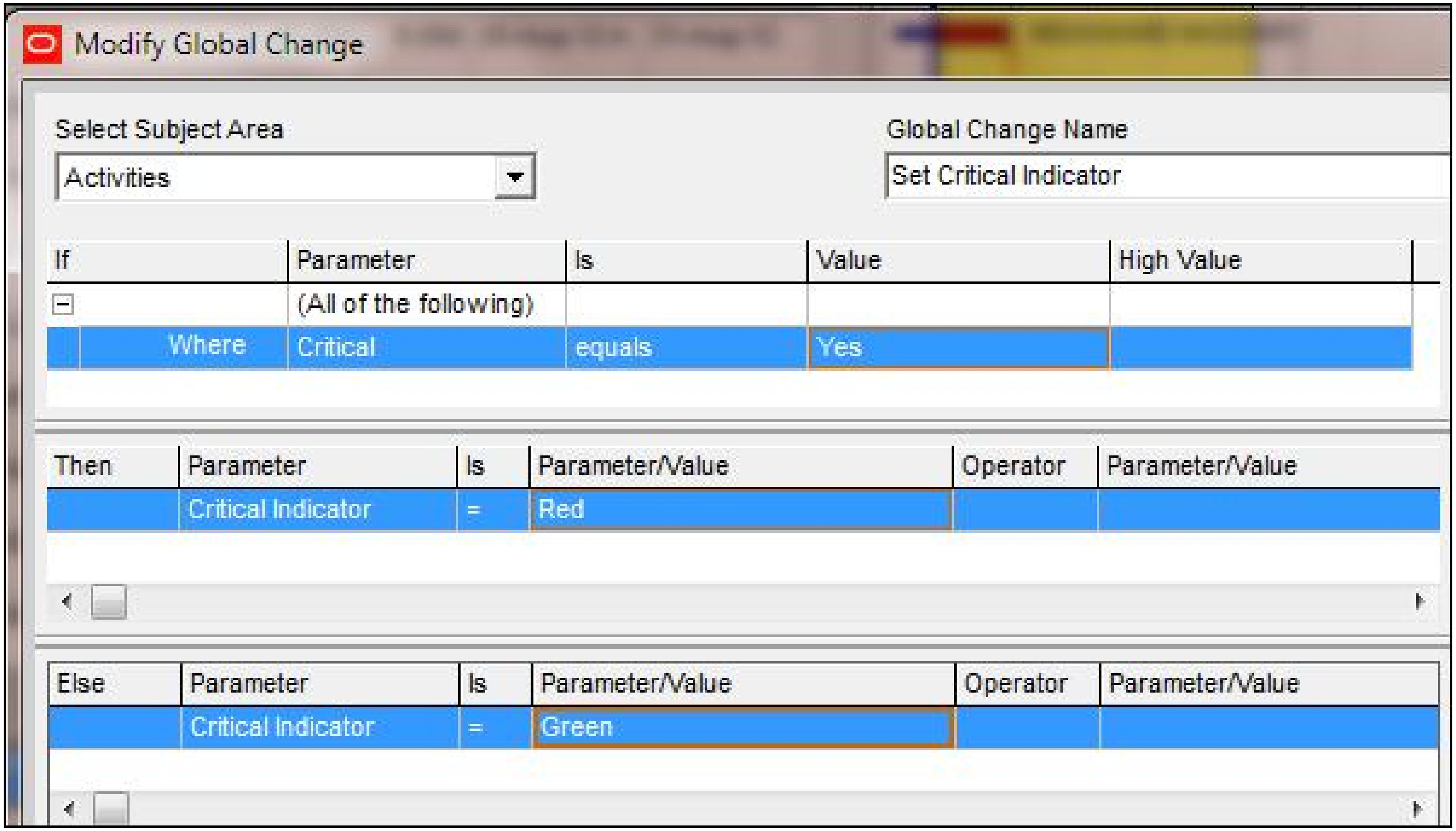
2. Set up as a column in a Layout



Year/ Month	Critical Indicator	Activity	Activity Name	Orig Dur	Rem Dur	Start	Finish
A				76.00d	76.00d	20-Aug-12 A	07-Dec-12
🟦 1208		FR-MAS0010	BID/AWARD MASONRY	15.00d	6.00d	20-Aug-12 A	31-Aug-12
🟩 1208		FR-MAS0020	SFA STONE VENEER - REVISED	10.00d	10.00d	04-Sep-12	17-Sep-12
🟩 1208		FR-MAS0030	R/A STONE VENEER - REVISED	10.00d	10.00d	18-Sep-12	01-Oct-12
🟩 1208		FR-MAS0040	F/D STONE VENEER - REVISED	15.00d	15.00d	02-Oct-12	22-Oct-12
🟩 1208		3800	STONE VENEER - NORTH ELEV B - MOCKUP	12.00d	12.00d	23-Oct-12	14-Nov-12
🟦 1209		FR-MAS0010	I BID/AWARD REPLACEMENT MASON	15.00d	6.00d	20-Aug-12 A	17-Oct-12
🟩 1209		FR-MAS0020	SFA STONE VENEER - REVISED	10.00d	10.00d	18-Oct-12	31-Oct-12

Indicator for Critical Activity

3. Create and Execute a Global Change



Modify Global Change

Select Subject Area: Activities

Global Change Name: Set Critical Indicator

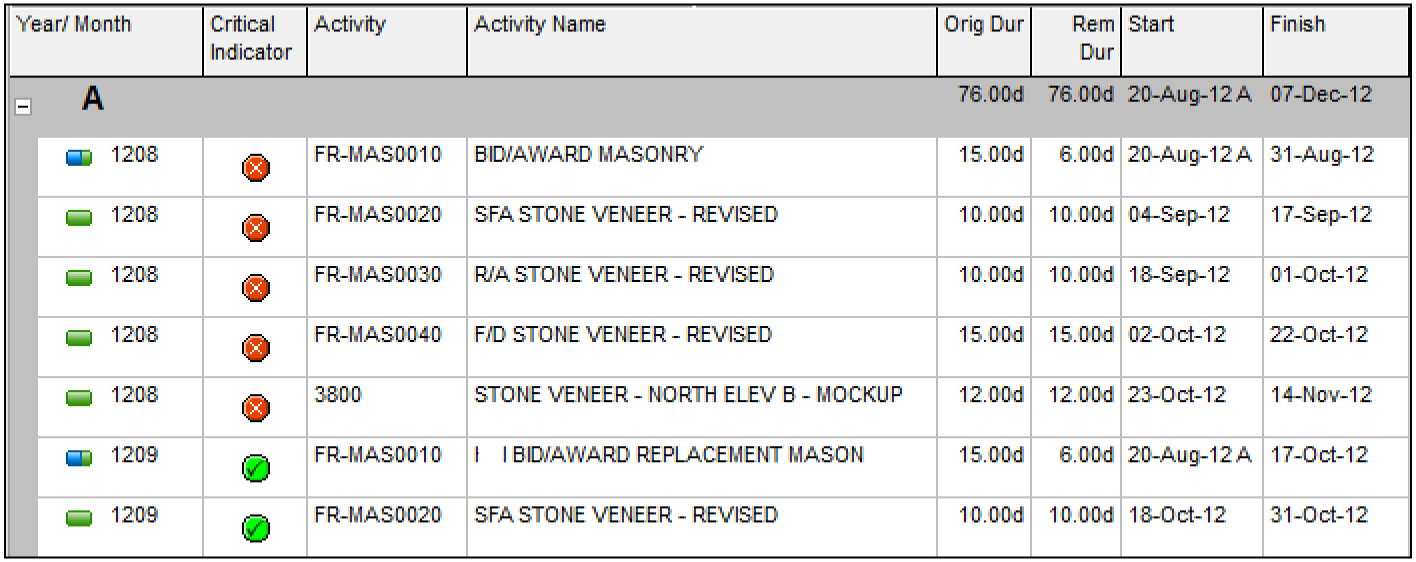
If	Parameter	Is	Value	High Value
⊟	(All of the following)			
Where	Critical	equals	Yes	

Then	Parameter	Is	Parameter/Value	Operator	Parameter/Value
	Critical Indicator	=	Red		

Else	Parameter	Is	Parameter/Value	Operator	Parameter/Value
	Critical Indicator	=	Green		

Indicator for Critical Activity

4. Global Change populates the column

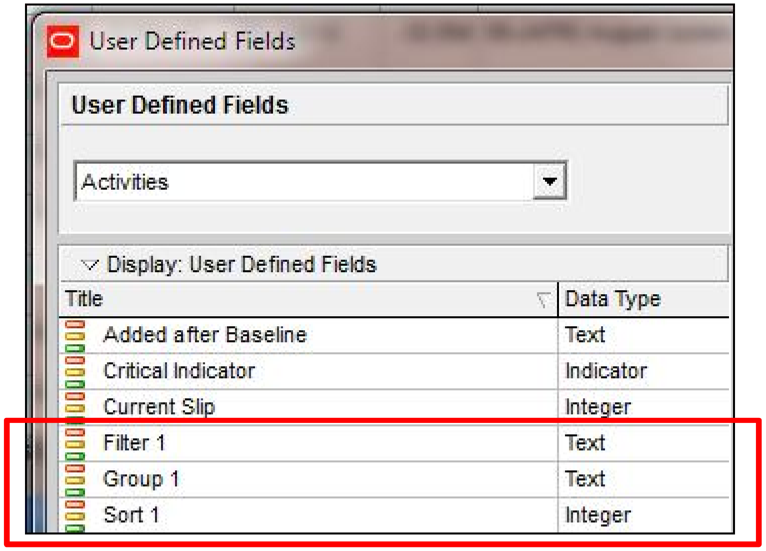


Year/ Month	Critical Indicator	Activity	Activity Name	Orig Dur	Rem Dur	Start	Finish
A				76.00d	76.00d	20-Aug-12 A	07-Dec-12
1208	✗	FR-MAS0010	BID/AWARD MASONRY	15.00d	6.00d	20-Aug-12 A	31-Aug-12
1208	✗	FR-MAS0020	SFA STONE VENEER - REVISED	10.00d	10.00d	04-Sep-12	17-Sep-12
1208	✗	FR-MAS0030	R/A STONE VENEER - REVISED	10.00d	10.00d	18-Sep-12	01-Oct-12
1208	✗	FR-MAS0040	F/D STONE VENEER - REVISED	15.00d	15.00d	02-Oct-12	22-Oct-12
1208	✗	3800	STONE VENEER - NORTH ELEV B - MOCKUP	12.00d	12.00d	23-Oct-12	14-Nov-12
1209	✓	FR-MAS0010	I I BID/AWARD REPLACEMENT MASON	15.00d	6.00d	20-Aug-12 A	17-Oct-12
1209	✓	FR-MAS0020	SFA STONE VENEER - REVISED	10.00d	10.00d	18-Oct-12	31-Oct-12

User Defined Fields to Manage Layouts

Sometimes we need something faster, easier and more flexible to help manage special presentation Layouts.

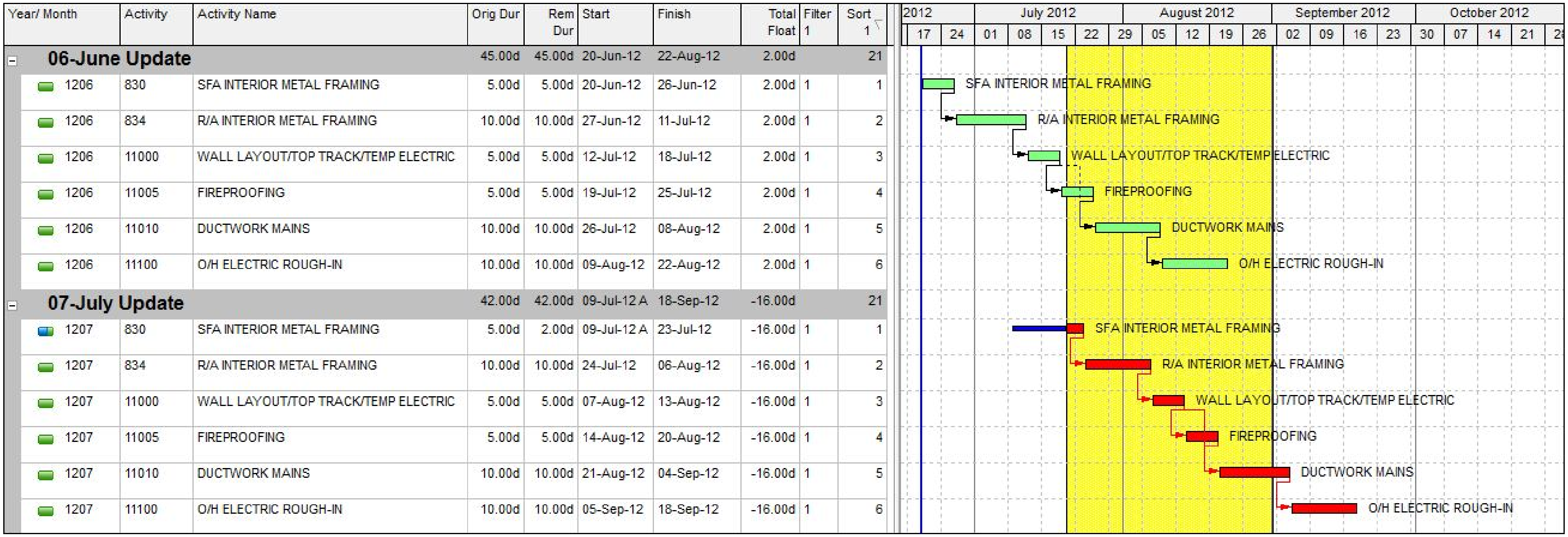
- User Defined Fields can be very flexible to use
- UDF's are Global Data, so you need to be careful on overuse.


User Defined Fields
User Defined Fields
Activities
Display: User Defined Fields

Title	Data Type
Added after Baseline	Text
Critical Indicator	Indicator
Current Slip	Integer
Filter 1	Text
Group 1	Text
Sort 1	Integer

User Defined Fields in Layouts

- In this Layout, we are comparing the current critical path with the activity status the previous month.



Year/ Month	Activity	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float	Filter 1	Sort 1
06-June Update			45.00d	45.00d	20-Jun-12	22-Aug-12	2.00d		21
1206	830	SFA INTERIOR METAL FRAMING	5.00d	5.00d	20-Jun-12	26-Jun-12	2.00d	1	1
1206	834	R/A INTERIOR METAL FRAMING	10.00d	10.00d	27-Jun-12	11-Jul-12	2.00d	1	2
1206	11000	WALL LAYOUT/TOP TRACK/TEMP ELECTRIC	5.00d	5.00d	12-Jul-12	18-Jul-12	2.00d	1	3
1206	11005	FIREPROOFING	5.00d	5.00d	19-Jul-12	25-Jul-12	2.00d	1	4
1206	11010	DUCTWORK MAINS	10.00d	10.00d	26-Jul-12	08-Aug-12	2.00d	1	5
1206	11100	O/H ELECTRIC ROUGH-IN	10.00d	10.00d	09-Aug-12	22-Aug-12	2.00d	1	6
07-July Update			42.00d	42.00d	09-Jul-12 A	18-Sep-12	-16.00d		21
1207	830	SFA INTERIOR METAL FRAMING	5.00d	2.00d	09-Jul-12 A	23-Jul-12	-16.00d	1	1
1207	834	R/A INTERIOR METAL FRAMING	10.00d	10.00d	24-Jul-12	06-Aug-12	-16.00d	1	2
1207	11000	WALL LAYOUT/TOP TRACK/TEMP ELECTRIC	5.00d	5.00d	07-Aug-12	13-Aug-12	-16.00d	1	3
1207	11005	FIREPROOFING	5.00d	5.00d	14-Aug-12	20-Aug-12	-16.00d	1	4
1207	11010	DUCTWORK MAINS	10.00d	10.00d	21-Aug-12	04-Sep-12	-16.00d	1	5
1207	11100	O/H ELECTRIC ROUGH-IN	10.00d	10.00d	05-Sep-12	18-Sep-12	-16.00d	1	6

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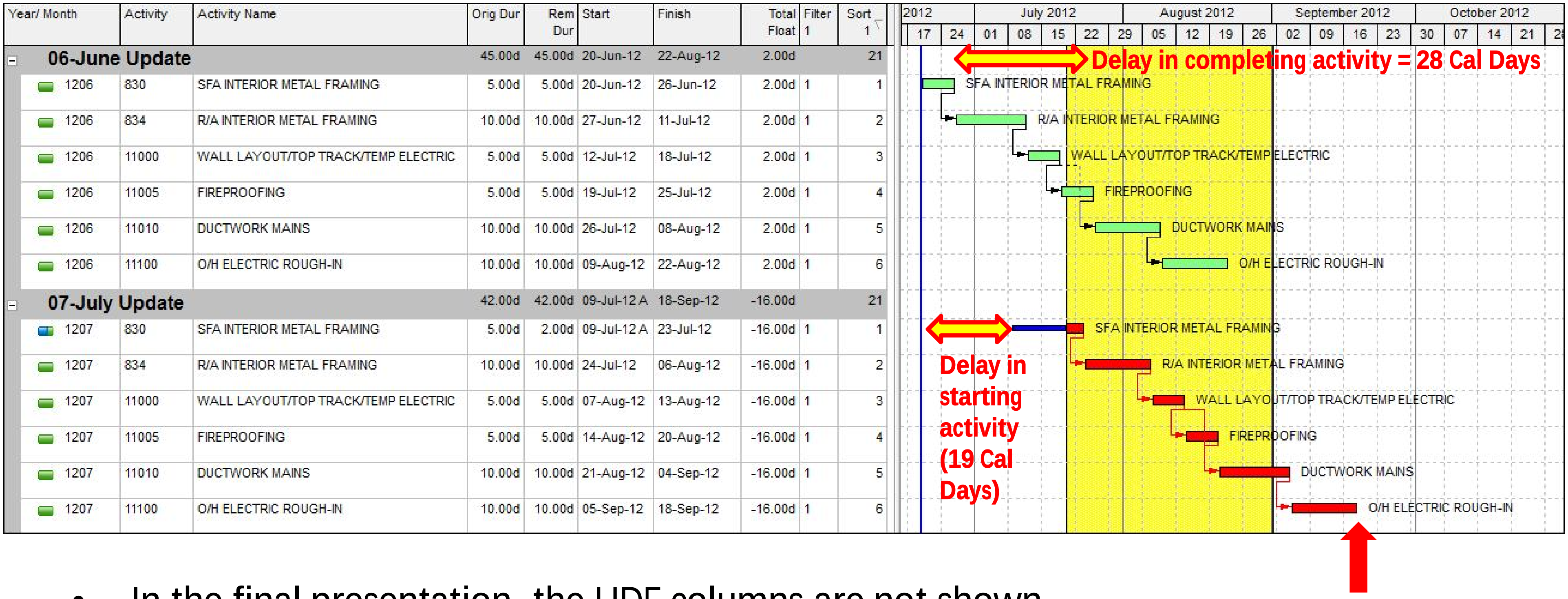
SFA INTERIOR METAL FRAMING
R/A INTERIOR METAL FRAMING
WALL LAYOUT/TOP TRACK/TEMP ELECTRIC
FIREPROOFING
DUCTWORK MAINS
O/H ELECTRIC ROUGH-IN
SFA INTERIOR METAL FRAMING
R/A INTERIOR METAL FRAMING
WALL LAYOUT/TOP TRACK/TEMP ELECTRIC
FIREPROOFING
DUCTWORK MAINS
O/H ELECTRIC ROUGH-IN

- The Filter UDF is used to manually select the specific activities to include in the layout.
- The Sort UDF is used to arrange the activities in a specific order that might not be possible with traditional sorting options.

User Defined Fields in Layouts

- The final Layout is captured (SnagIt) and pasted into PowerPoint and annotated for presentation to client.



Year/ Month	Activity	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float	Filter 1	Sort 1
06-June Update			45.00d	45.00d	20-Jun-12	22-Aug-12	2.00d		21
🟩 1206	830	SFA INTERIOR METAL FRAMING	5.00d	5.00d	20-Jun-12	26-Jun-12	2.00d	1	1
🟩 1206	834	R/A INTERIOR METAL FRAMING	10.00d	10.00d	27-Jun-12	11-Jul-12	2.00d	1	2
🟩 1206	11000	WALL LAYOUT/TOP TRACK/TEMP ELECTRIC	5.00d	5.00d	12-Jul-12	18-Jul-12	2.00d	1	3
🟩 1206	11005	FIREPROOFING	5.00d	5.00d	19-Jul-12	25-Jul-12	2.00d	1	4
🟩 1206	11010	DUCTWORK MAINS	10.00d	10.00d	26-Jul-12	08-Aug-12	2.00d	1	5
🟩 1206	11100	O/H ELECTRIC ROUGH-IN	10.00d	10.00d	09-Aug-12	22-Aug-12	2.00d	1	6
07-July Update			42.00d	42.00d	09-Jul-12 A	18-Sep-12	-16.00d		21
🟦 1207	830	SFA INTERIOR METAL FRAMING	5.00d	2.00d	09-Jul-12 A	23-Jul-12	-16.00d	1	1
🟩 1207	834	R/A INTERIOR METAL FRAMING	10.00d	10.00d	24-Jul-12	06-Aug-12	-16.00d	1	2
🟩 1207	11000	WALL LAYOUT/TOP TRACK/TEMP ELECTRIC	5.00d	5.00d	07-Aug-12	13-Aug-12	-16.00d	1	3
🟩 1207	11005	FIREPROOFING	5.00d	5.00d	14-Aug-12	20-Aug-12	-16.00d	1	4
🟩 1207	11010	DUCTWORK MAINS	10.00d	10.00d	21-Aug-12	04-Sep-12	-16.00d	1	5
🟩 1207	11100	O/H ELECTRIC ROUGH-IN	10.00d	10.00d	05-Sep-12	18-Sep-12	-16.00d	1	6

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July 2012
August 2012
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SFA INTERIOR METAL FRAMING
R/A INTERIOR METAL FRAMING
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R/A INTERIOR METAL FRAMING
WALL LAYOUT/TOP TRACK/TEMP ELECTRIC
FIREPROOFING
DUCTWORK MAINS
O/H ELECTRIC ROUGH-IN

Delay in completing activity = 28 Cal Days

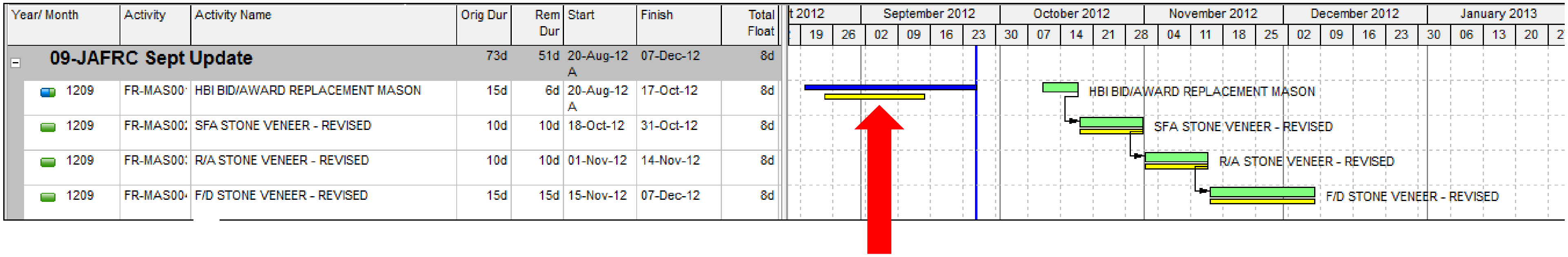
Delay in starting activity (19 Cal Days)

- In the final presentation, the UDF columns are not shown. The UDF fields give you very specific control of the layout.

Impact = Project completion is delayed 16 work days

How to display the “True Current Schedule”

Occasionally, before recalculating a schedule I am reviewing (to determine if the schedule was calculated) I save the current schedule as a baseline and get a surprise or two.



Year/ Month	Activity	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float
09-JAFRC Sept Update			73d	51d	20-Aug-12 A	07-Dec-12	8d
1209	FR-MAS00	HBI BID/AWARD REPLACEMENT MASON	15d	6d	20-Aug-12 A	17-Oct-12	8d
1209	FR-MAS00	SFA STONE VENEER - REVISED	10d	10d	18-Oct-12	31-Oct-12	8d
1209	FR-MAS00	R/A STONE VENEER - REVISED	10d	10d	01-Nov-12	14-Nov-12	8d
1209	FR-MAS00	F/D STONE VENEER - REVISED	15d	15d	15-Nov-12	07-Dec-12	8d

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October 2012
November 2012
December 2012
January 2013
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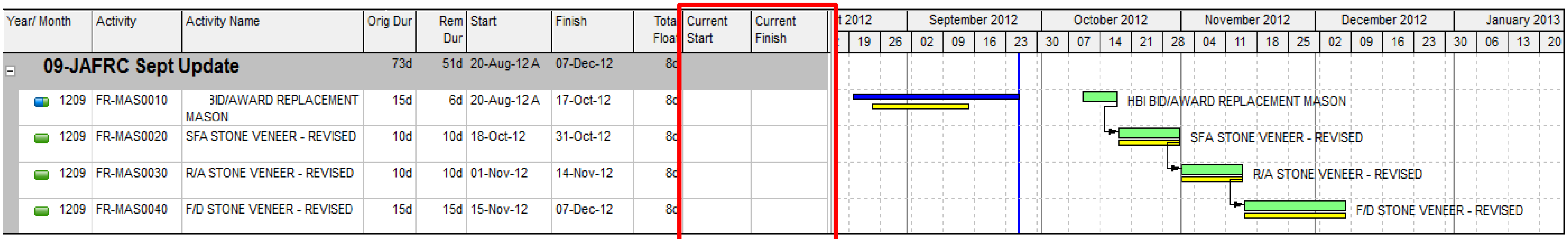
HBI BID/AWARD REPLACEMENT MASON
SFA STONE VENEER - REVISED
R/A STONE VENEER - REVISED
F/D STONE VENEER - REVISED

The “Current” Date does not match the Actual Start and the Currently forecast Finish Date.

- Possible cause: When you status an activity, P6 saves the current ES/EF (at the time the activity is statused) as the “Current” Start and Finish dates.

How to display the “True Current Schedule”

Quick solution: Create User Defined Fields to capture the actual “Current Dates” with a Global Change. Then set up a Bar using the UDF’s to define the start and finish.



Year/ Month	Activity	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float	Current Start	Current Finish
09-JAFRC Sept Update			73d	51d	20-Aug-12 A	07-Dec-12	8d		
1209	FR-MAS0010	BID/AWARD REPLACEMENT MASON	15d	6d	20-Aug-12 A	17-Oct-12	8d		
1209	FR-MAS0020	SFA STONE VENEER - REVISED	10d	10d	18-Oct-12	31-Oct-12	8d		
1209	FR-MAS0030	R/A STONE VENEER - REVISED	10d	10d	01-Nov-12	14-Nov-12	8d		
1209	FR-MAS0040	F/D STONE VENEER - REVISED	15d	15d	15-Nov-12	07-Dec-12	8d		

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December 2012
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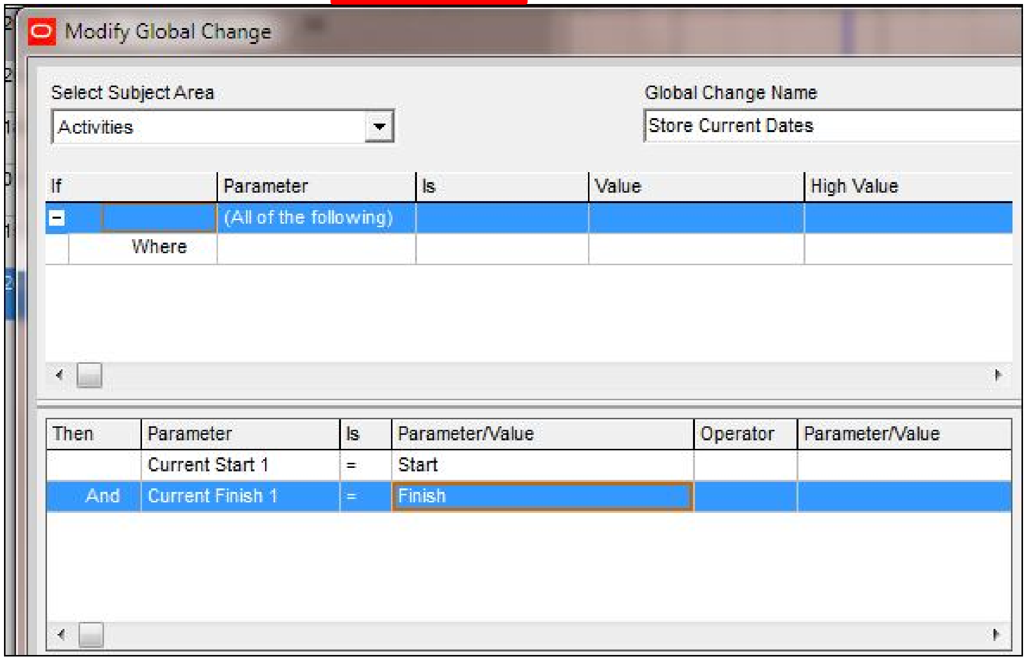
HBI BID/AWARD REPLACEMENT MASON
SFA STONE VENEER - REVISED
R/A STONE VENEER - REVISED
F/D STONE VENEER - REVISED

Use Global Change to store the “current” dates in the User Defined Fields.



Modify Global Change

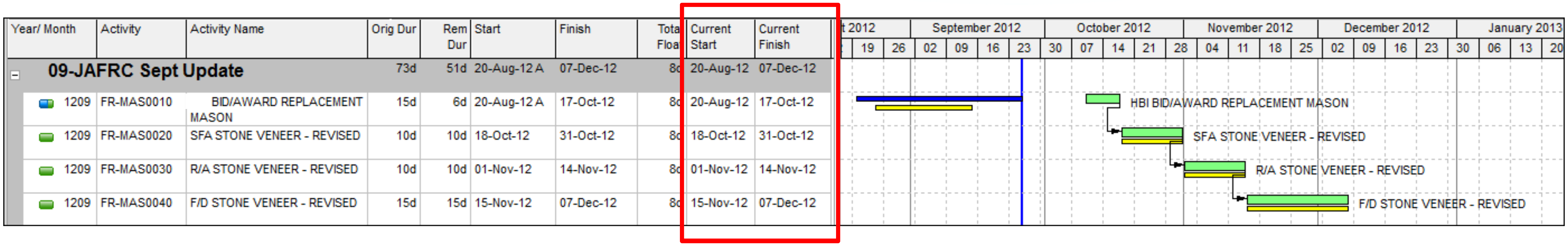
Select Subject Area: Activities

Global Change Name: Store Current Dates

If	Parameter	Is	Value	High Value
	(All of the following)			
Where				

Then	Parameter	Is	Parameter/Value	Operator	Parameter/Value
	Current Start 1	=	Start		
And	Current Finish 1	=	Finish		

How to display the “True Current Schedule”



Year/ Month	Activity	Activity Name	Orig Dur	Rem Dur	Start	Finish	Tota Floa	Current Start	Current Finish
09-JAFRC Sept Update			73d	51d	20-Aug-12 A	07-Dec-12	8d	20-Aug-12	07-Dec-12
1209	FR-MAS0010	BID/AWARD REPLACEMENT MASON	15d	6d	20-Aug-12 A	17-Oct-12	8d	20-Aug-12	17-Oct-12
1209	FR-MAS0020	SFA STONE VENEER - REVISED	10d	10d	18-Oct-12	31-Oct-12	8d	18-Oct-12	31-Oct-12
1209	FR-MAS0030	R/A STONE VENEER - REVISED	10d	10d	01-Nov-12	14-Nov-12	8d	01-Nov-12	14-Nov-12
1209	FR-MAS0040	F/D STONE VENEER - REVISED	15d	15d	15-Nov-12	07-Dec-12	8d	15-Nov-12	07-Dec-12

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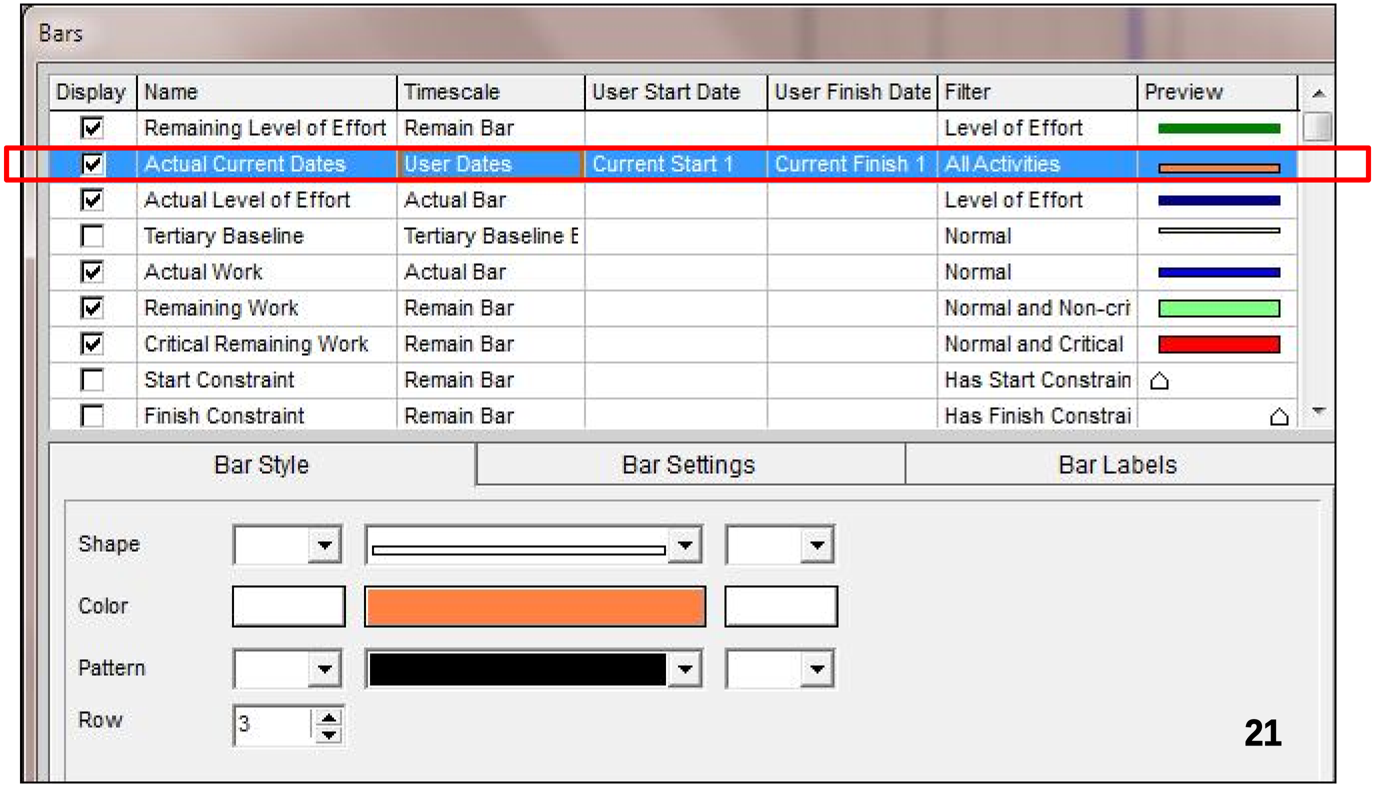
October 2012
November 2012
December 2012
January 2013
19 26 02 09 16 23 30 07 14 21 28 04 11 18 25 02 09 16 23 30 06 13 20
HBI BID/AWARD REPLACEMENT MASON
SFA STONE VENEER - REVISED
R/A STONE VENEER - REVISED
F/D STONE VENEER - REVISED

Once the dates are stored in the User Defined Fields, set up a Bar to display the “True Current Schedule Dates” in the Bar Chart.



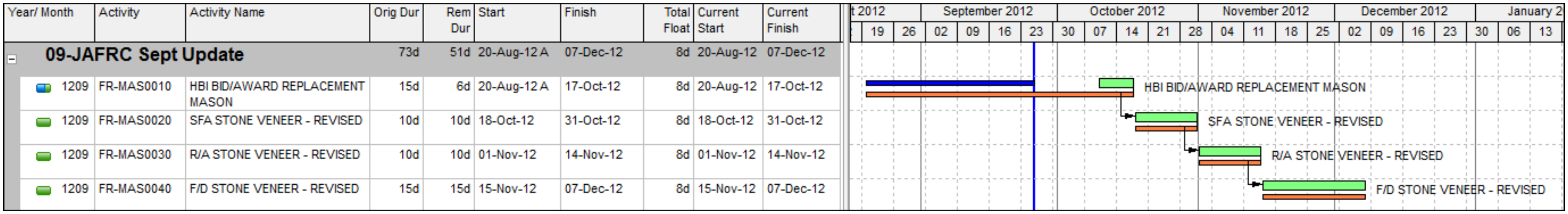
Bars

Display	Name	Timescale	User Start Date	User Finish Date	Filter	Preview
☑	Remaining Level of Effort	Remain Bar			Level of Effort	
☑	Actual Current Dates	User Dates	Current Start 1	Current Finish 1	All Activities	
☑	Actual Level of Effort	Actual Bar			Level of Effort	
☐	Tertiary Baseline	Tertiary Baseline E			Normal	
☑	Actual Work	Actual Bar			Normal	
☑	Remaining Work	Remain Bar			Normal and Non-cri	
☑	Critical Remaining Work	Remain Bar			Normal and Critical	
☐	Start Constraint	Remain Bar			Has Start Constrain	
☐	Finish Constraint	Remain Bar			Has Finish Constrai	

Bar Style
Bar Settings
Bar Labels
Shape
Color
Pattern
Row
3

How to display the “True Current Schedule”

Solution: Create User Defined Fields to capture the actual “Current Dates” with a Global Change. Then set up a Bar using the UDF’s to define the start and finish.



Year/ Month	Activity	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float	Current Start	Current Finish
09-JAFRC Sept Update			73d	51d	20-Aug-12 A	07-Dec-12	8d	20-Aug-12	07-Dec-12
1209	FR-MAS0010	HBI BID/AWARD REPLACEMENT MASON	15d	6d	20-Aug-12 A	17-Oct-12	8d	20-Aug-12	17-Oct-12
1209	FR-MAS0020	SFA STONE VENEER - REVISED	10d	10d	18-Oct-12	31-Oct-12	8d	18-Oct-12	31-Oct-12
1209	FR-MAS0030	R/A STONE VENEER - REVISED	10d	10d	01-Nov-12	14-Nov-12	8d	01-Nov-12	14-Nov-12
1209	FR-MAS0040	F/D STONE VENEER - REVISED	15d	15d	15-Nov-12	07-Dec-12	8d	15-Nov-12	07-Dec-12

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HBI BID/AWARD REPLACEMENT MASON
SFA STONE VENEER - REVISED
R/A STONE VENEER - REVISED
F/D STONE VENEER - REVISED

This Layout shows the “True Current Schedule”.

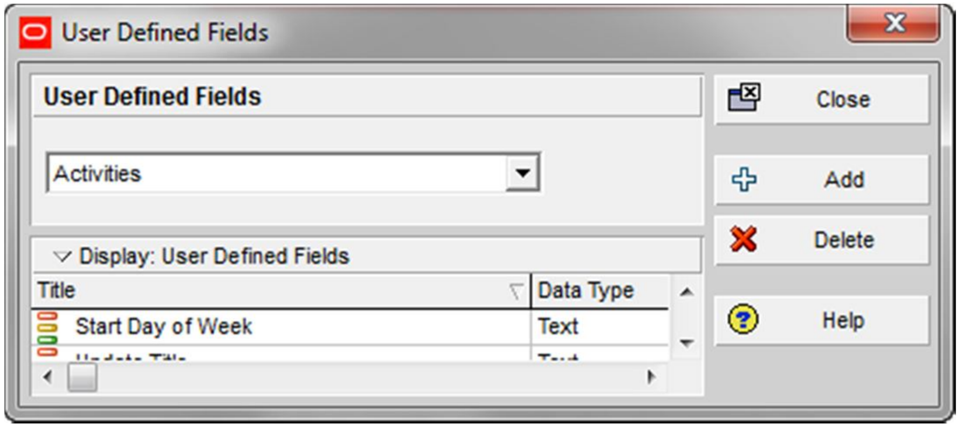
This Layout is useful when receiving a schedule submittal from a contractor and you want to calculate the schedule and check for variances after the calculation.

(Variances would be caused by modifying the schedule but not calculating the schedule before creating the submittal copy).

Set a “Day of Week” Column for Start

Add a “Day of week” column to make your tabular report or Activity Label communicate better.

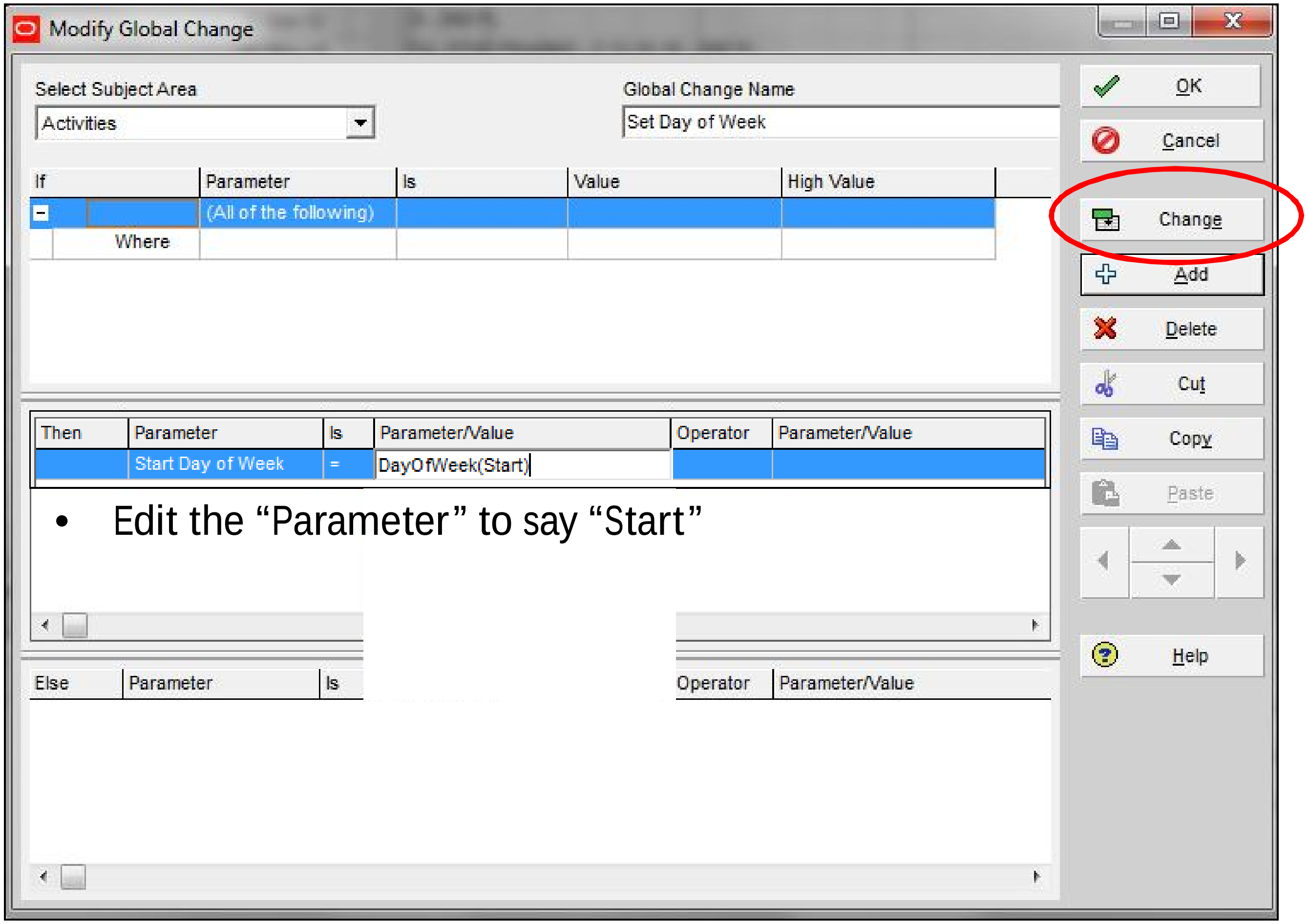
- Create a User Define Text Field “Day of Week”
- Create and execute a Global Change that sets the UDF to “Day of Week” for the Activity Start Date.


User Defined Fields
User Defined Fields
Close
Add
Delete
Help
Display: User Defined Fields

Activities

Title	Data Type
Start Day of Week	Text

- Create and execute a Global Change that sets the UDF to “Day of Week” for the Activity Start Date.


Modify Global Change
OK
Cancel
Change
Add
Delete
Cut
Copy
Paste
Help

Select Subject Area: Activities

Global Change Name: Set Day of Week

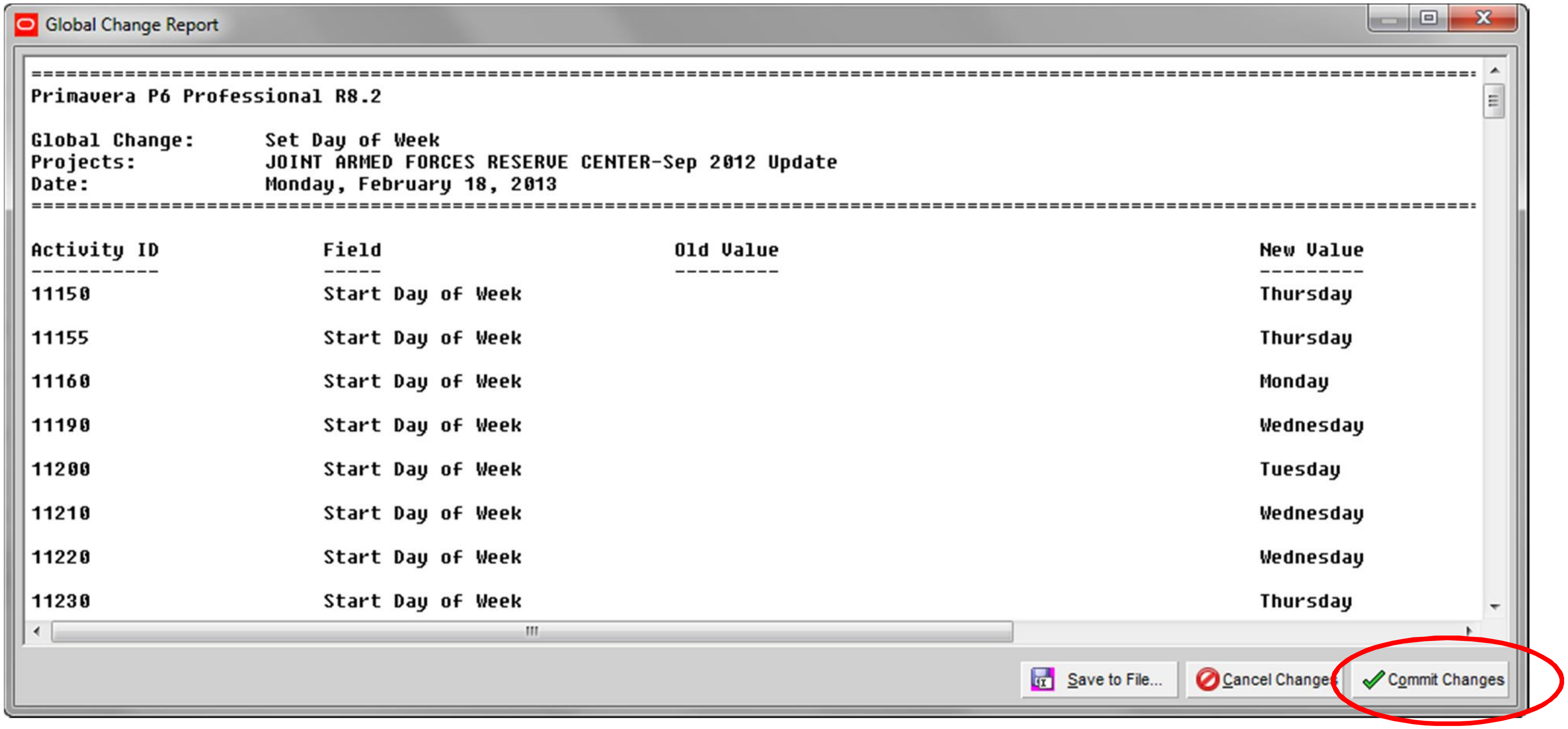
If	Parameter	Is	Value	High Value
−	(All of the following)			
Where				

Then	Parameter	Is	Parameter/Value	Operator	Parameter/Value
	Start Day of Week	=	DayOfWeek(Start)		

- Edit the “Parameter” to say “Start”

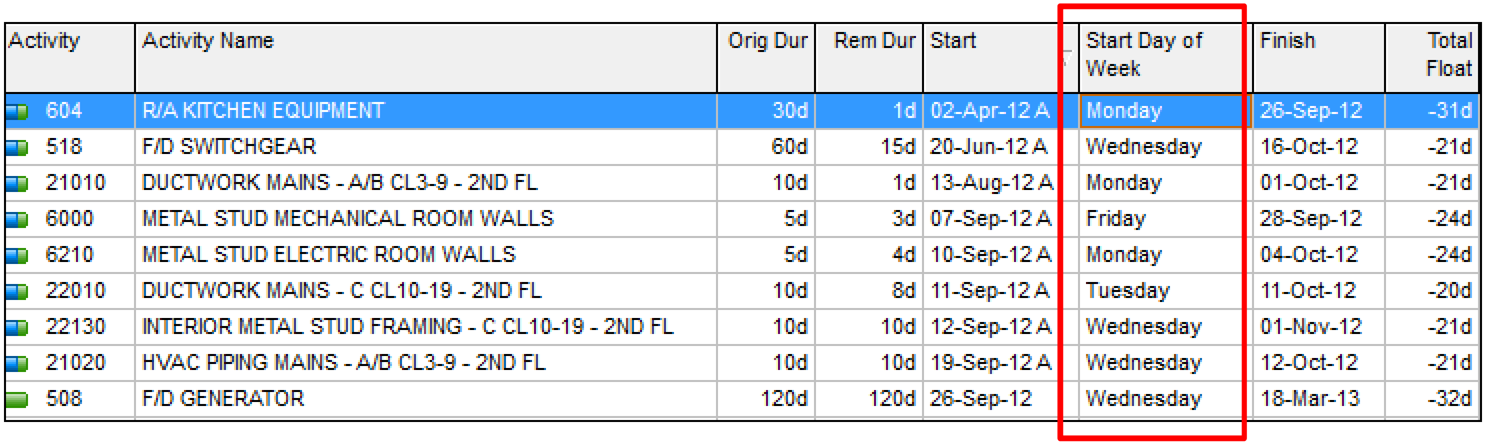
Else	Parameter	Is	Operator	Parameter/Value

- Review audit report


Global Change Report
Save to File...
Cancel Changes
Commit Changes

```
============================================================================================================================
Primavera P6 Professional R8.2

Global Change:      Set Day of Week
Projects:           JOINT ARMED FORCES RESERVE CENTER-Sep 2012 Update
Date:               Monday, February 18, 2013
============================================================================================================================

Activity ID              Field                         Old Value                                         New Value
-----------              -----                         ---------                                         ---------
11150                    Start Day of Week                                                               Thursday

11155                    Start Day of Week                                                               Thursday

11160                    Start Day of Week                                                               Monday

11190                    Start Day of Week                                                               Wednesday

11200                    Start Day of Week                                                               Tuesday

11210                    Start Day of Week                                                               Wednesday

11220                    Start Day of Week                                                               Wednesday

11230                    Start Day of Week                                                               Thursday
```

- Custom Field available for Layouts and Reports



Activity	Activity Name	Orig Dur	Rem Dur	Start	Start Day of Week	Finish	Total Float
604	R/A KITCHEN EQUIPMENT	30d	1d	02-Apr-12 A	Monday	26-Sep-12	-31d
518	F/D SWITCHGEAR	60d	15d	20-Jun-12 A	Wednesday	16-Oct-12	-21d
21010	DUCTWORK MAINS - A/B CL3-9 - 2ND FL	10d	1d	13-Aug-12 A	Monday	01-Oct-12	-21d
6000	METAL STUD MECHANICAL ROOM WALLS	5d	3d	07-Sep-12 A	Friday	28-Sep-12	-24d
6210	METAL STUD ELECTRIC ROOM WALLS	5d	4d	10-Sep-12 A	Monday	04-Oct-12	-24d
22010	DUCTWORK MAINS - C CL10-19 - 2ND FL	10d	8d	11-Sep-12 A	Tuesday	11-Oct-12	-20d
22130	INTERIOR METAL STUD FRAMING - C CL10-19 - 2ND FL	10d	10d	12-Sep-12 A	Wednesday	01-Nov-12	-21d
21020	HVAC PIPING MAINS - A/B CL3-9 - 2ND FL	10d	10d	19-Sep-12 A	Wednesday	12-Oct-12	-21d
508	F/D GENERATOR	120d	120d	26-Sep-12	Wednesday	18-Mar-13	-32d

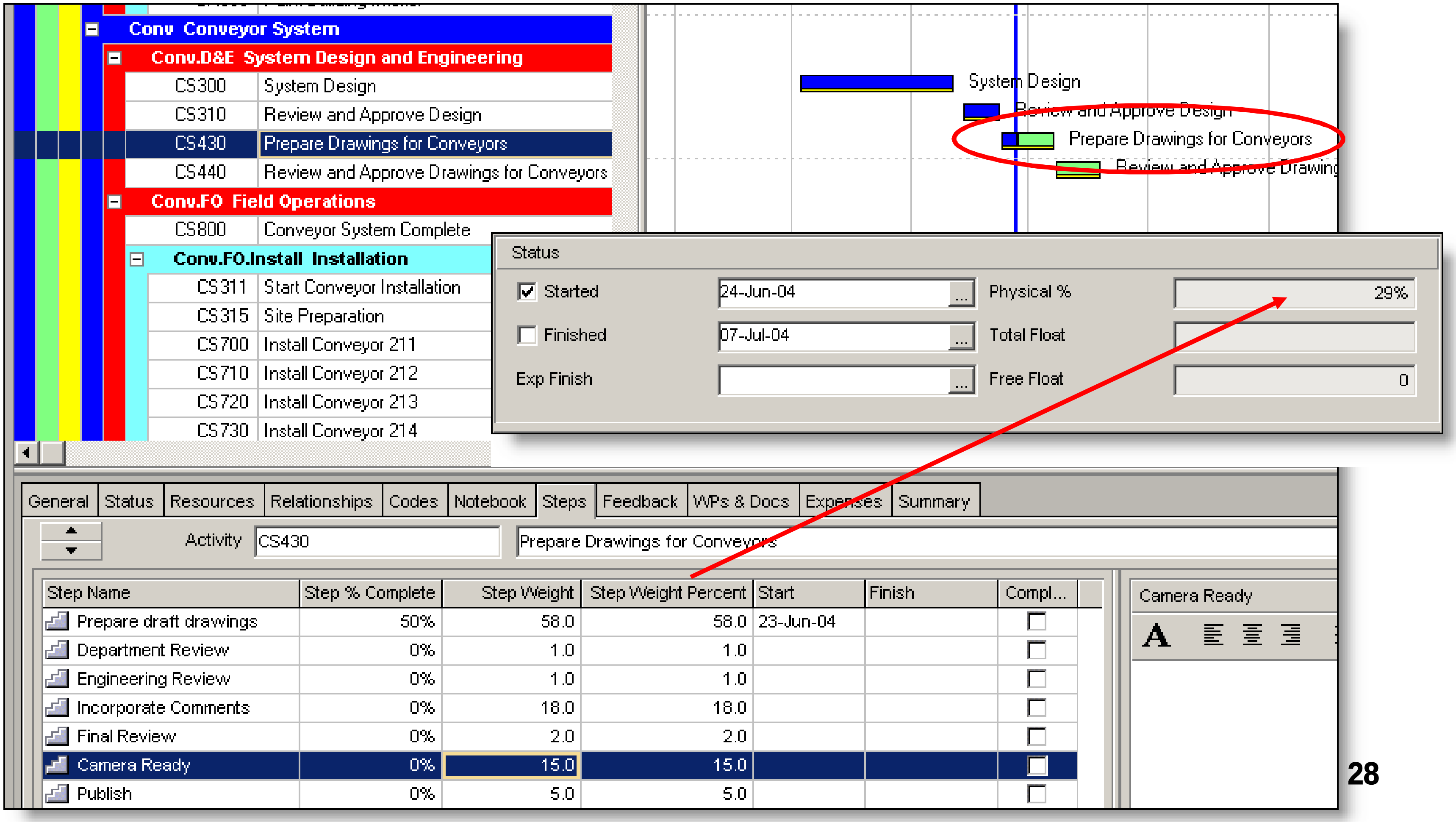
Activity Steps – Detail for Summary Activities

Keeping the schedule from getting too detailed is a constant battle. Try “Steps” to capture detail within activities.

- Activity Steps can be used to define more detailed elements of an activity.
- Very useful when you want to limit the number of detailed activities but still provide visibility to detailed elements of the work.
- Steps can also be used to drive activity percent complete to support earned value metrics.

Activity Steps – Detail for Summary Activities

Keeping the schedule from getting too detailed is a constant battle. Try “Steps” to capture detail within activities.



Conv	**Conveyor System**
Conv.D&E	**System Design and Engineering**
CS300	System Design
CS310	Review and Approve Design
CS430	Prepare Drawings for Conveyors
CS440	Review and Approve Drawings for Conveyors
Conv.FO	**Field Operations**
CS800	Conveyor System Complete
Conv.FO.Install	**Installation**
CS311	Start Conveyor Installation
CS315	Site Preparation
CS700	Install Conveyor 211
CS710	Install Conveyor 212
CS720	Install Conveyor 213
CS730	Install Conveyor 214

System Design
Review and Approve Design
Prepare Drawings for Conveyors
Review and Approve Drawing

Status

☑ Started	24-Jun-04	Physical %	29%
☐ Finished	07-Jul-04	Total Float	
Exp Finish		Free Float	0

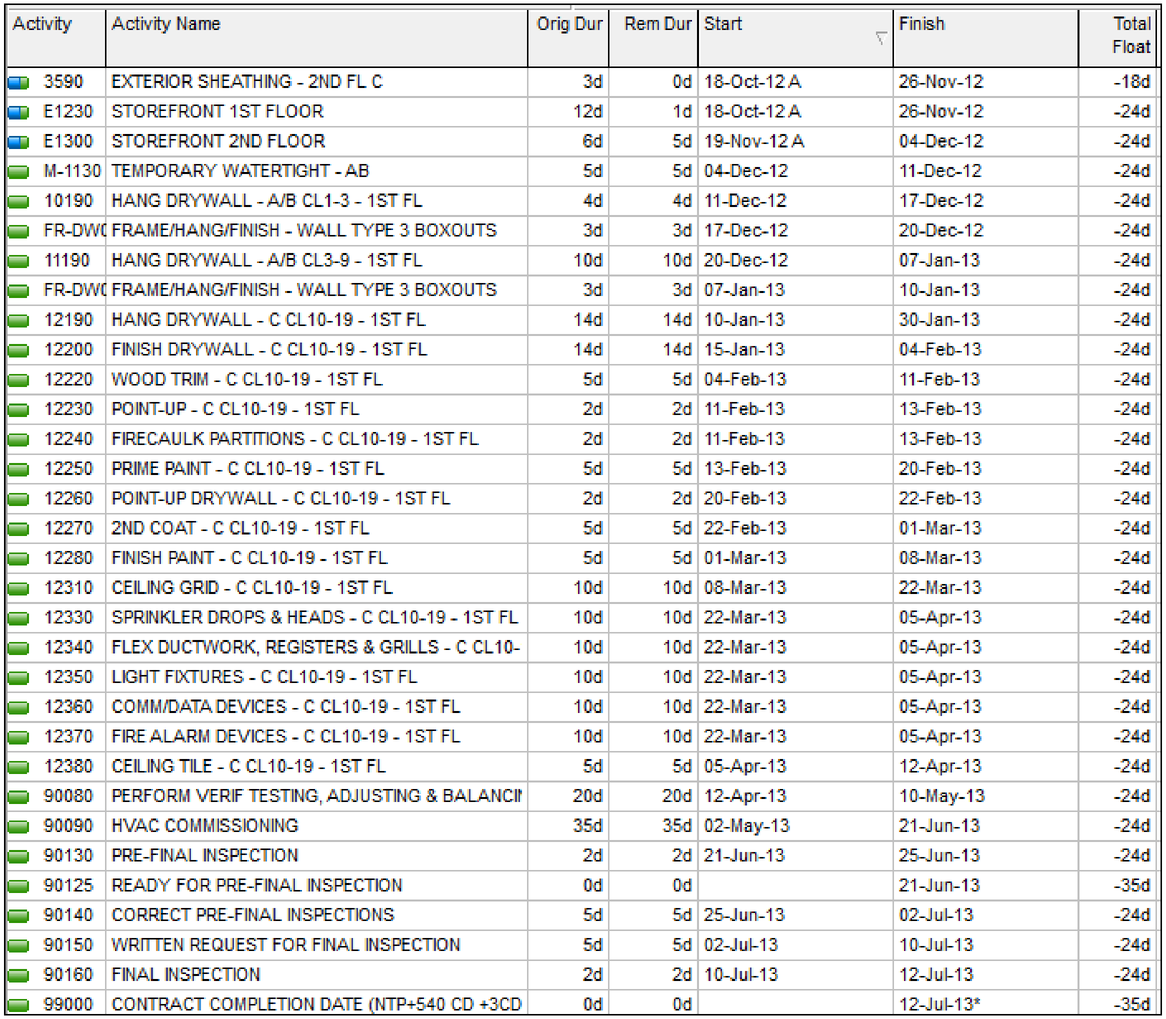
General
Status
Resources
Relationships
Codes
Notebook
Steps
Feedback
WPs & Docs
Expenses
Summary

Activity CS430 Prepare Drawings for Conveyors

Step Name	Step % Complete	Step Weight	Step Weight Percent	Start	Finish	Compl...
Prepare draft drawings	50%	58.0	58.0	23-Jun-04		☐
Department Review	0%	1.0	1.0			☐
Engineering Review	0%	1.0	1.0			☐
Incorporate Comments	0%	18.0	18.0			☐
Final Review	0%	2.0	2.0			☐
Camera Ready	0%	15.0	15.0			☐
Publish	0%	5.0	5.0			☐

Camera Ready

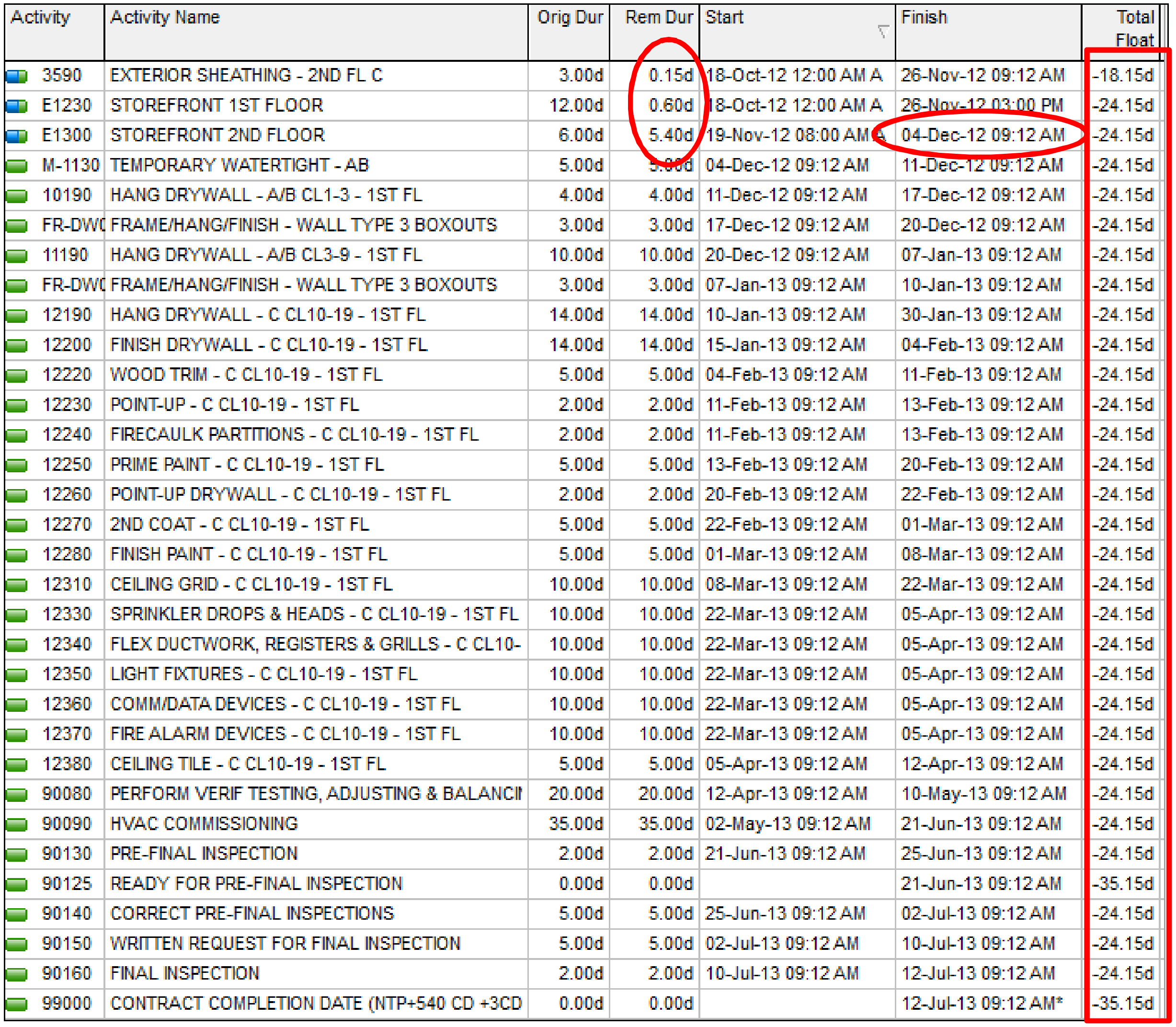
Dealing with “fractured durations”



Activity	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float
3590	EXTERIOR SHEATHING - 2ND FL C	3d	0d	18-Oct-12 A	26-Nov-12	-18d
E1230	STOREFRONT 1ST FLOOR	12d	1d	18-Oct-12 A	26-Nov-12	-24d
E1300	STOREFRONT 2ND FLOOR	6d	5d	19-Nov-12 A	04-Dec-12	-24d
M-1130	TEMPORARY WATERTIGHT - AB	5d	5d	04-Dec-12	11-Dec-12	-24d
10190	HANG DRYWALL - A/B CL1-3 - 1ST FL	4d	4d	11-Dec-12	17-Dec-12	-24d
FR-DW(	FRAME/HANG/FINISH - WALL TYPE 3 BOXOUTS	3d	3d	17-Dec-12	20-Dec-12	-24d
11190	HANG DRYWALL - A/B CL3-9 - 1ST FL	10d	10d	20-Dec-12	07-Jan-13	-24d
FR-DW(	FRAME/HANG/FINISH - WALL TYPE 3 BOXOUTS	3d	3d	07-Jan-13	10-Jan-13	-24d
12190	HANG DRYWALL - C CL10-19 - 1ST FL	14d	14d	10-Jan-13	30-Jan-13	-24d
12200	FINISH DRYWALL - C CL10-19 - 1ST FL	14d	14d	15-Jan-13	04-Feb-13	-24d
12220	WOOD TRIM - C CL10-19 - 1ST FL	5d	5d	04-Feb-13	11-Feb-13	-24d
12230	POINT-UP - C CL10-19 - 1ST FL	2d	2d	11-Feb-13	13-Feb-13	-24d
12240	FIRECAULK PARTITIONS - C CL10-19 - 1ST FL	2d	2d	11-Feb-13	13-Feb-13	-24d
12250	PRIME PAINT - C CL10-19 - 1ST FL	5d	5d	13-Feb-13	20-Feb-13	-24d
12260	POINT-UP DRYWALL - C CL10-19 - 1ST FL	2d	2d	20-Feb-13	22-Feb-13	-24d
12270	2ND COAT - C CL10-19 - 1ST FL	5d	5d	22-Feb-13	01-Mar-13	-24d
12280	FINISH PAINT - C CL10-19 - 1ST FL	5d	5d	01-Mar-13	08-Mar-13	-24d
12310	CEILING GRID - C CL10-19 - 1ST FL	10d	10d	08-Mar-13	22-Mar-13	-24d
12330	SPRINKLER DROPS & HEADS - C CL10-19 - 1ST FL	10d	10d	22-Mar-13	05-Apr-13	-24d
12340	FLEX DUCTWORK, REGISTERS & GRILLS - C CL10-	10d	10d	22-Mar-13	05-Apr-13	-24d
12350	LIGHT FIXTURES - C CL10-19 - 1ST FL	10d	10d	22-Mar-13	05-Apr-13	-24d
12360	COMM/DATA DEVICES - C CL10-19 - 1ST FL	10d	10d	22-Mar-13	05-Apr-13	-24d
12370	FIRE ALARM DEVICES - C CL10-19 - 1ST FL	10d	10d	22-Mar-13	05-Apr-13	-24d
12380	CEILING TILE - C CL10-19 - 1ST FL	5d	5d	05-Apr-13	12-Apr-13	-24d
90080	PERFORM VERIF TESTING, ADJUSTING & BALANCII	20d	20d	12-Apr-13	10-May-13	-24d
90090	HVAC COMMISSIONING	35d	35d	02-May-13	21-Jun-13	-24d
90130	PRE-FINAL INSPECTION	2d	2d	21-Jun-13	25-Jun-13	-24d
90125	READY FOR PRE-FINAL INSPECTION	0d	0d		21-Jun-13	-35d
90140	CORRECT PRE-FINAL INSPECTIONS	5d	5d	25-Jun-13	02-Jul-13	-24d
90150	WRITTEN REQUEST FOR FINAL INSPECTION	5d	5d	02-Jul-13	10-Jul-13	-24d
90160	FINAL INSPECTION	2d	2d	10-Jul-13	12-Jul-13	-24d
99000	CONTRACT COMPLETION DATE (NTP+540 CD +3CD	0d	0d		12-Jul-13*	-35d

- In this view, everything looks OK
- No reason to suspect any problems
- The final activity has more float because it’s on a 7 day calendar
- But, let’s take a closer look…

Dealing with “fractured durations”

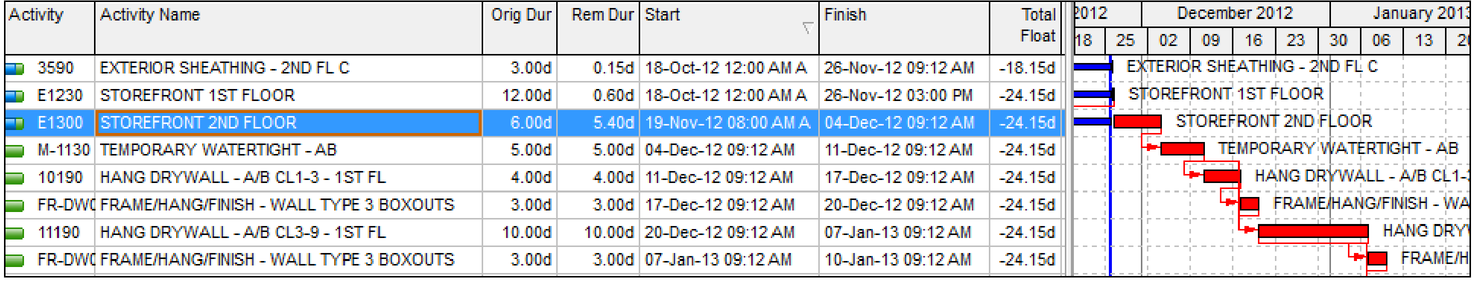


Activity	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float
3590	EXTERIOR SHEATHING - 2ND FL C	3.00d	0.15d	18-Oct-12 12:00 AM A	26-Nov-12 09:12 AM	-18.15d
E1230	STOREFRONT 1ST FLOOR	12.00d	0.60d	18-Oct-12 12:00 AM A	26-Nov-12 03:00 PM	-24.15d
E1300	STOREFRONT 2ND FLOOR	6.00d	5.40d	19-Nov-12 08:00 AM A	04-Dec-12 09:12 AM	-24.15d
M-1130	TEMPORARY WATERTIGHT - AB	5.00d	5.00d	04-Dec-12 09:12 AM	11-Dec-12 09:12 AM	-24.15d
10190	HANG DRYWALL - A/B CL1-3 - 1ST FL	4.00d	4.00d	11-Dec-12 09:12 AM	17-Dec-12 09:12 AM	-24.15d
FR-DW	FRAME/HANG/FINISH - WALL TYPE 3 BOXOUTS	3.00d	3.00d	17-Dec-12 09:12 AM	20-Dec-12 09:12 AM	-24.15d
11190	HANG DRYWALL - A/B CL3-9 - 1ST FL	10.00d	10.00d	20-Dec-12 09:12 AM	07-Jan-13 09:12 AM	-24.15d
FR-DW	FRAME/HANG/FINISH - WALL TYPE 3 BOXOUTS	3.00d	3.00d	07-Jan-13 09:12 AM	10-Jan-13 09:12 AM	-24.15d
12190	HANG DRYWALL - C CL10-19 - 1ST FL	14.00d	14.00d	10-Jan-13 09:12 AM	30-Jan-13 09:12 AM	-24.15d
12200	FINISH DRYWALL - C CL10-19 - 1ST FL	14.00d	14.00d	15-Jan-13 09:12 AM	04-Feb-13 09:12 AM	-24.15d
12220	WOOD TRIM - C CL10-19 - 1ST FL	5.00d	5.00d	04-Feb-13 09:12 AM	11-Feb-13 09:12 AM	-24.15d
12230	POINT-UP - C CL10-19 - 1ST FL	2.00d	2.00d	11-Feb-13 09:12 AM	13-Feb-13 09:12 AM	-24.15d
12240	FIRECAULK PARTITIONS - C CL10-19 - 1ST FL	2.00d	2.00d	11-Feb-13 09:12 AM	13-Feb-13 09:12 AM	-24.15d
12250	PRIME PAINT - C CL10-19 - 1ST FL	5.00d	5.00d	13-Feb-13 09:12 AM	20-Feb-13 09:12 AM	-24.15d
12260	POINT-UP DRYWALL - C CL10-19 - 1ST FL	2.00d	2.00d	20-Feb-13 09:12 AM	22-Feb-13 09:12 AM	-24.15d
12270	2ND COAT - C CL10-19 - 1ST FL	5.00d	5.00d	22-Feb-13 09:12 AM	01-Mar-13 09:12 AM	-24.15d
12280	FINISH PAINT - C CL10-19 - 1ST FL	5.00d	5.00d	01-Mar-13 09:12 AM	08-Mar-13 09:12 AM	-24.15d
12310	CEILING GRID - C CL10-19 - 1ST FL	10.00d	10.00d	08-Mar-13 09:12 AM	22-Mar-13 09:12 AM	-24.15d
12330	SPRINKLER DROPS & HEADS - C CL10-19 - 1ST FL	10.00d	10.00d	22-Mar-13 09:12 AM	05-Apr-13 09:12 AM	-24.15d
12340	FLEX DUCTWORK, REGISTERS & GRILLS - C CL10-	10.00d	10.00d	22-Mar-13 09:12 AM	05-Apr-13 09:12 AM	-24.15d
12350	LIGHT FIXTURES - C CL10-19 - 1ST FL	10.00d	10.00d	22-Mar-13 09:12 AM	05-Apr-13 09:12 AM	-24.15d
12360	COMM/DATA DEVICES - C CL10-19 - 1ST FL	10.00d	10.00d	22-Mar-13 09:12 AM	05-Apr-13 09:12 AM	-24.15d
12370	FIRE ALARM DEVICES - C CL10-19 - 1ST FL	10.00d	10.00d	22-Mar-13 09:12 AM	05-Apr-13 09:12 AM	-24.15d
12380	CEILING TILE - C CL10-19 - 1ST FL	5.00d	5.00d	05-Apr-13 09:12 AM	12-Apr-13 09:12 AM	-24.15d
90080	PERFORM VERIF TESTING, ADJUSTING & BALANCI	20.00d	20.00d	12-Apr-13 09:12 AM	10-May-13 09:12 AM	-24.15d
90090	HVAC COMMISSIONING	35.00d	35.00d	02-May-13 09:12 AM	21-Jun-13 09:12 AM	-24.15d
90130	PRE-FINAL INSPECTION	2.00d	2.00d	21-Jun-13 09:12 AM	25-Jun-13 09:12 AM	-24.15d
90125	READY FOR PRE-FINAL INSPECTION	0.00d	0.00d		21-Jun-13 09:12 AM	-35.15d
90140	CORRECT PRE-FINAL INSPECTIONS	5.00d	5.00d	25-Jun-13 09:12 AM	02-Jul-13 09:12 AM	-24.15d
90150	WRITTEN REQUEST FOR FINAL INSPECTION	5.00d	5.00d	02-Jul-13 09:12 AM	10-Jul-13 09:12 AM	-24.15d
90160	FINAL INSPECTION	2.00d	2.00d	10-Jul-13 09:12 AM	12-Jul-13 09:12 AM	-24.15d
99000	CONTRACT COMPLETION DATE (NTP+540 CD +3CD	0.00d	0.00d		12-Jul-13 09:12 AM*	-35.15d

- Go into User Preferences and turn on Duration decimals and Date: Display time.
- Now we can see some “fractured” durations and float values
- And the “Time” shows the “end of the workday” as 9:12 AM

Dealing with “fractured durations”

- Before submitting a schedule update, turn on durations decimals and display time to see if you have this problem.



Activity	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float
3590	EXTERIOR SHEATHING - 2ND FL C	3.00d	0.15d	18-Oct-12 12:00 AM A	26-Nov-12 09:12 AM	-18.15d
E1230	STOREFRONT 1ST FLOOR	12.00d	0.60d	18-Oct-12 12:00 AM A	26-Nov-12 03:00 PM	-24.15d
E1300	STOREFRONT 2ND FLOOR	6.00d	5.40d	19-Nov-12 08:00 AM A	04-Dec-12 09:12 AM	-24.15d
M-1130	TEMPORARY WATERTIGHT - AB	5.00d	5.00d	04-Dec-12 09:12 AM	11-Dec-12 09:12 AM	-24.15d
10190	HANG DRYWALL - A/B CL1-3 - 1ST FL	4.00d	4.00d	11-Dec-12 09:12 AM	17-Dec-12 09:12 AM	-24.15d
FR-DW(	FRAME/HANG/FINISH - WALL TYPE 3 BOXOUTS	3.00d	3.00d	17-Dec-12 09:12 AM	20-Dec-12 09:12 AM	-24.15d
11190	HANG DRYWALL - A/B CL3-9 - 1ST FL	10.00d	10.00d	20-Dec-12 09:12 AM	07-Jan-13 09:12 AM	-24.15d
FR-DW(	FRAME/HANG/FINISH - WALL TYPE 3 BOXOUTS	3.00d	3.00d	07-Jan-13 09:12 AM	10-Jan-13 09:12 AM	-24.15d

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December 2012
January 2013
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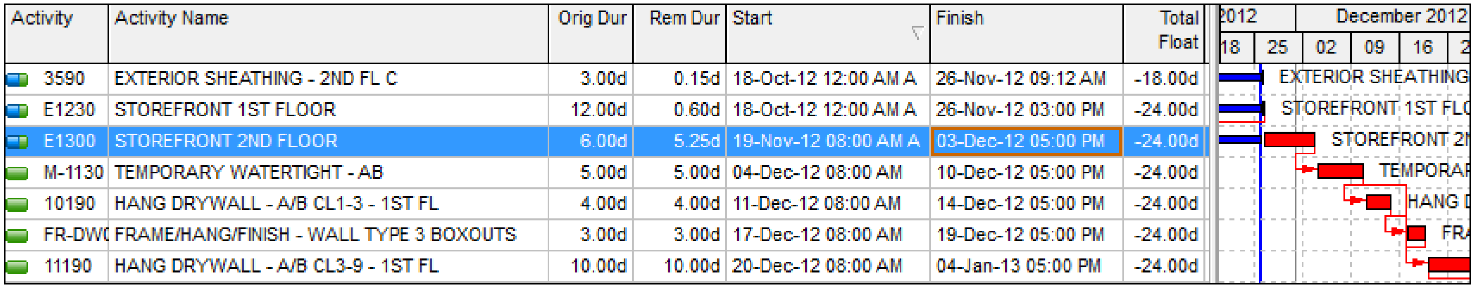
EXTERIOR SHEATHING - 2ND FL C
STOREFRONT 1ST FLOOR
STOREFRONT 2ND FLOOR
TEMPORARY WATERTIGHT - AB
HANG DRYWALL - A/B CL1-
FRAME/HANG/FINISH - WA
HANG DRY
FRAME/H

- Follow the logic to the source (in this case, Activity E1300) and change the completion time to 5:00 PM and reschedule (F9).

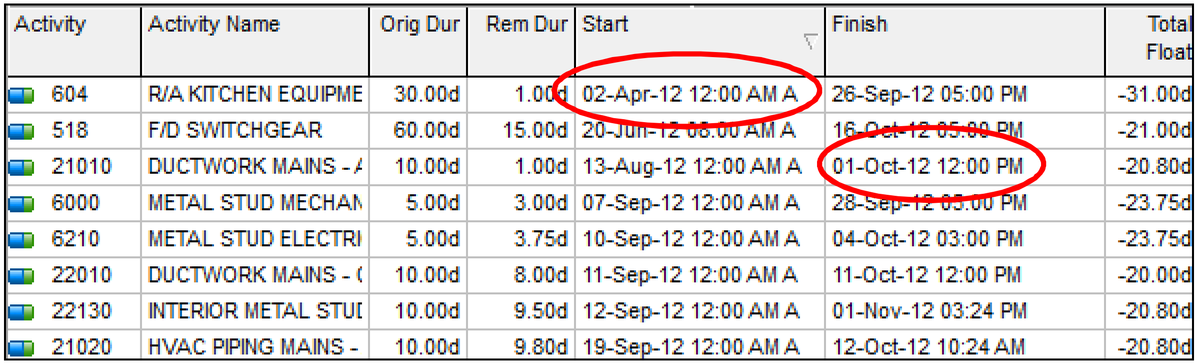


Activity	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float
3590	EXTERIOR SHEATHING - 2ND FL C	3.00d	0.15d	18-Oct-12 12:00 AM A	26-Nov-12 09:12 AM	-18.00d
E1230	STOREFRONT 1ST FLOOR	12.00d	0.60d	18-Oct-12 12:00 AM A	26-Nov-12 03:00 PM	-24.00d
E1300	STOREFRONT 2ND FLOOR	6.00d	5.25d	19-Nov-12 08:00 AM A	03-Dec-12 05:00 PM	-24.00d
M-1130	TEMPORARY WATERTIGHT - AB	5.00d	5.00d	04-Dec-12 08:00 AM	10-Dec-12 05:00 PM	-24.00d
10190	HANG DRYWALL - A/B CL1-3 - 1ST FL	4.00d	4.00d	11-Dec-12 08:00 AM	14-Dec-12 05:00 PM	-24.00d
FR-DW(	FRAME/HANG/FINISH - WALL TYPE 3 BOXOUTS	3.00d	3.00d	17-Dec-12 08:00 AM	19-Dec-12 05:00 PM	-24.00d
11190	HANG DRYWALL - A/B CL3-9 - 1ST FL	10.00d	10.00d	20-Dec-12 08:00 AM	04-Jan-13 05:00 PM	-24.00d

2012
December 2012
18
25
02
09
16
EXTERIOR SHEATHING
STOREFRONT 1ST FL
STOREFRONT 2
TEMPORA
HANG
FR

- The problem is corrected from the Data Date forward.

• Dealing with “12:00am” start dates



Activity	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float
604	R/A KITCHEN EQUIPME	30.00d	1.00d	02-Apr-12 12:00 AM A	26-Sep-12 05:00 PM	-31.00d
518	F/D SWITCHGEAR	60.00d	15.00d	20-Jun-12 08:00 AM A	16-Oct-12 05:00 PM	-21.00d
21010	DUCTWORK MAINS -	10.00d	1.00d	13-Aug-12 12:00 AM A	01-Oct-12 12:00 PM	-20.80d
6000	METAL STUD MECHAN	5.00d	3.00d	07-Sep-12 12:00 AM A	28-Sep-12 05:00 PM	-23.75d
6210	METAL STUD ELECTRI	5.00d	3.75d	10-Sep-12 12:00 AM A	04-Oct-12 03:00 PM	-23.75d
22010	DUCTWORK MAINS -	10.00d	8.00d	11-Sep-12 12:00 AM A	11-Oct-12 12:00 PM	-20.00d
22130	INTERIOR METAL STU	10.00d	9.50d	12-Sep-12 12:00 AM A	01-Nov-12 03:24 PM	-20.80d
21020	HVAC PIPING MAINS -	10.00d	9.80d	19-Sep-12 12:00 AM A	12-Oct-12 10:24 AM	-20.80d

- Notice all the “12:00 AM” Actual Starts?
- Some schedulers insist that if you don’t “Turn on Time” that P6 will default to 12:00 AM dates for Actuals instead of the Calendar Start and Finish times.
- I’ve found that to not be true in schedules that originate in P6 but seems to be very common in schedules originating in P3 and then imported to P6.
- When you import from P3 to P6, always check your times and correct them (this is normal “cleanup” when importing P3 files).
- Always turn on “Display Time” to be sure you don’t have this problem.

Upcoming Events

aace International
2013
WESTERN WINTER WORKSHOP

Presented by the San Francisco Bay Area and Southern California Sections

HARRAH'S & HARVEYS CASINO RESORT

February 21st – 24th • Lake Tahoe, Nevada

Dozens (45) of leading speakers in a wide variety of markets will be sharing experiences and knowledge in project controls.

This is a don't miss event!

DRMcNatty is proud to be a Marquee sponsor for one of the most important project controls events in the Western U.S.

For more information visit: www.aaceisf.org

All registrants to this webinar will receive the WWW Program in PDF format.

Questions?

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