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REVIEWING & PREPARING A SCHEDULE NARRATIVE REPORT FOR A CLIENT

Bill Owczarczak, Primavera Application Consultant

May 25th, 2016

PROJECT MANAGEMENT SOLUTIONS THAT *SIMPLY WORK* SINCE 1989.

Elecosoft Asta | PMWeb® | ORACLE PRIMAVERA | Deltek | ACUMEN | ARES PRISM

www.drmcnatty.com

Thank you for joining today's 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 “Vendor 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.
- You need to make your own judgments as to the application of our shared ideas in your own, unique environment.

Tool Matrix

Business Process	ORACLE PRIMAVERA	Asta Powerproject	PMWeb	ARES PRISM	ACUMEN	ProjectStatus
Portfolio Management	P6, Unifier		Portfolios			View
Planning & Budgeting	**Unifier**	**Powerproject**	**Planning**	**G2**		**Collaborate**
Estimating		BidCon	Estimating	Estimating		
CPM Scheduling	**P6**	**Powerproject**	**Scheduling**	**Scheduling**	**Fuse**	**Status**
Cost Management & Reporting	P6, Unifier	Powerproject	Cost Mgmnt	G2	Fuse	Collaborate
Document Management	**Unifier**		**Doc. Mgmnt**	**Prism Docs**		
Change Management	Unifier		Workflows	G2		
Engineering Forms	**Unifier**		**Eng. Forms**	**G2**		
BIM/Schedule Integration		Asta BIM	BIM			
Risk Analysis	**P6 Risk**	**Asta Risk**			**Risk**	**Collaborate**
Risk Management & Mitigation	P6		Risk Register		Risk	Collaborate
Role Based Cloud Dashboard	**Dashboard**		**Dashboard**	**Dashboard**		**View**
Earned Value	P6		Cost Mgmnt	Earned Value		
Claims Support & Analysis	**P6**	**Powerproject**	**Doc. Mgmnt**		**Fuse**	
Facility Management/Work Orders	Unifier		Fac. Mgmnt			
Mobile online/offline support	**Mobile**	**Mobile**	**browser**			**browser**
Integration with Finance/ERP	Gateway		Integrator	Integrator		Gateway

- DRMcNatty supports these project controls tools as an authorized partner, trainer and implementer as well as providing trained and supported project staffing resources.

Products and Services

- Project Controls System Implementation
- Cloud Based, Global Managed Hosting Services
- Software Training Services
- Integration, Analytics, Dashboards, Risk and Role-based User Access Tools
- Program and Project System Support Services and Partnering
- Mentored and Supported SB/DVBE Project Staffing Resources

Abstract

REVIEWING & PREPARING A SCHEDULE NARRATIVE REPORT FOR A CLIENT

ABSTRACT: We often provide client services to review and analyze their own or submitted schedules and provide a report back on our findings and recommended changes. In this Free Technical Webinar we take an in-depth look into an example schedule using tools such as P6 and Acumen to report on the overall health and quality of the schedule followed by preparing a narrative report.

PRESENTER: Bill Owczarczak, Primavera Application Consultant

Agenda

SCHEDULE METRICS AND WHAT THEY TELL US…

- What a Good Project Schedule Should Provide
- Tools for Analyzing Schedules
- Creating and Reviewing Schedule Report with Client
- Summary
- Upcoming Events
- Questions

REVIEWING & PREPARING A SCHEDULE NARRATIVE REPORT FOR A CLIENT

WHAT TO REQUEST FROM THE CLIENT ?

- P6 files (Baseline and Current Schedule, if possible)
- Any schedule specification documents
- What are they looking for in the review? Anything specific or just general health of the schedule? (Most of the time, they don't know the answer)
- How long will the Schedule review and report take?

Reviewing the schedule

TOOLS FOR ANALYZING

- Primavera P6
  - Claim Digger or Schedule Comparison (P6 Professional)
  - Check Schedule (P6 EPPM)
- Schedule Analyzer Enterprise
  - Baseline Checker
- XER Tool Kit
- Acumen Fuse
  - Diagnostics

Reviewing the schedule

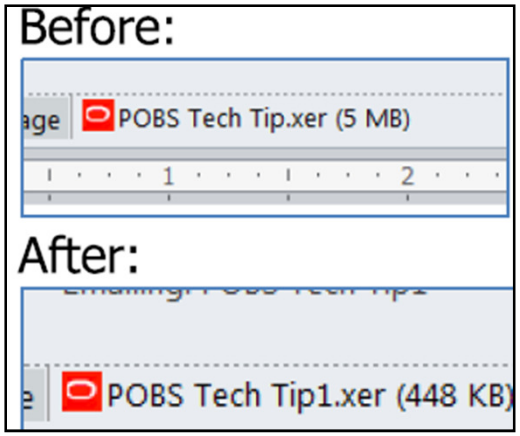
STEP 1: MAKE A COPY!!!

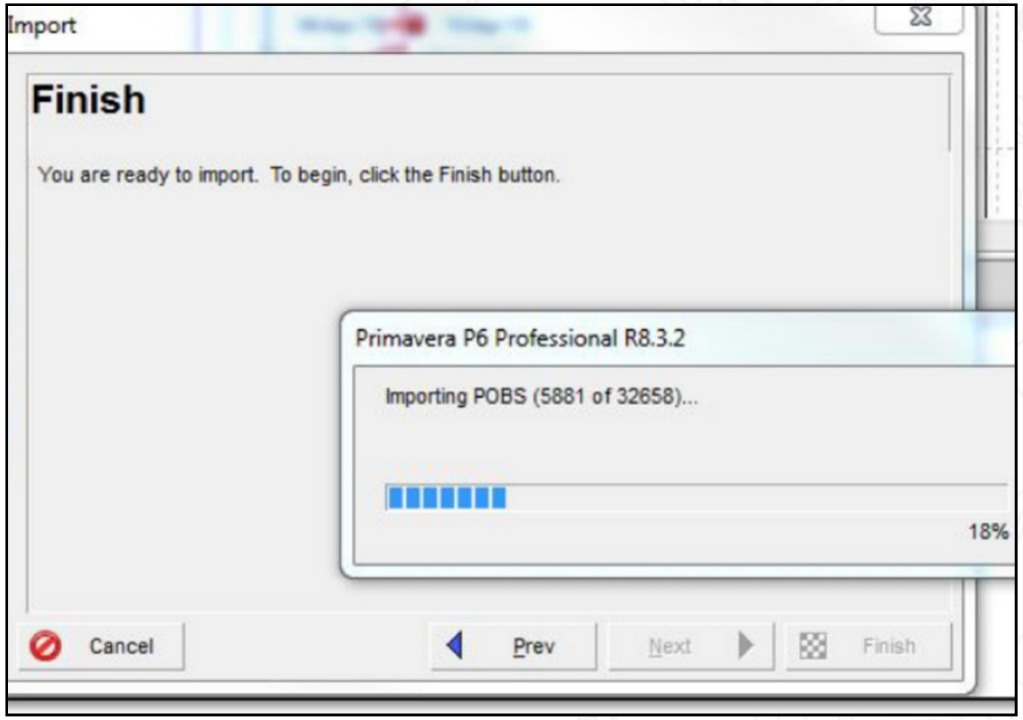
- Make a copy to compare and review against the clients original file.

Reviewing the schedule

POBS TABLE DATA ISSUE?

- Does the Xer file take a long time to Import?
- What is POBS?





Reviewing the Schedule

WHAT TO LOOK FOR, QUESTIONS TO THINK ABOUT.

- Activity ID's mean something or are they just numbers?
- Codes/WBS build to specifications ?
- Relationships types? What % are "FS" relationship?
- Constraints?
- Open Ends?
- Activity types?
- Etc…

Reviewing the Schedule

MISSING ACTIVITY DESCRIPTIONS

- Blank descriptions must be resolved (unless it's a top secret project…).

DUPLICATE ACTIVITY DESCRIPTIONS

- All Descriptions should be unique. Duplicates can be confusing. There may be a generic description (Formwork) but with a location added (Formwork, wall A100) it becomes unique and more clearly defines "what" and "where".

SUBSTANTIAL COMPLETION ACTIVITY

- Always look for a "Substantial Completion" or similar milestone that denotes the end of a contract time period.

Reviewing the Schedule

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Reviewing the Schedule

ACTIVITY DURATIONS

- Organize by duration to identify long and short duration activities
  - A high percentage of short duration activities could be too much detail.
  - Physical work activities that exceed 2 months (44 work days) may be difficult to measure progress and performance.
  - Some specifications limit the duration of physical work activities.
  - A lot of activities with 5 day durations (P6 default) may indicate a lack of in-depth thought on durations.
  - Zero duration activities that are not milestones could be a concern.
  - Long durations in odd numbers (323 days…) may indicate a need for further investigation on how the number was determined. The same is true for many activities with similar, rounded durations (100 days). The durations may not have been completely defined.
  - Be aware of the "rolling wave" of detail – early activities more detailed than those occurring later in the project.

Reviewing the Schedule

CALENDARS

- Calendars are one of the biggest causes of problems and confusion in schedules.
  - Usually caused by a lack of understanding on how Calendars work.
  - Just because some activities work 10 hrs and others 8 hrs, does not necessarily mean you need to change the hours on the calendar.
  - When an 8hr/day activity hands off to a 10hr/day activity you end up with a “fractional duration” for the successor.

Reviewing the Schedule

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  - When an 8hr/day activity hands off to a 10hr/day activity you end up with a "fractional duration" for the successor.
- Display decimals in "User Preferences" to uncover <u>fractured durations</u> in your Baseline!

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
City Center Office Building Addition		681.11d	01-Nov-10 08:00 AM A	03-Jul-13 08:53 AM	0.00d
Design and Engineering		107.08d	01-Nov-10 08:00 AM A	06-Apr-11 09:36 AM A	
EC1000	Design Building Addition	55.33d	01-Nov-10 08:00 AM A	19-Jan-11 09:36 AM A	
EC1010	Start Office Building Addition Project	0.00d	01-Nov-10 08:00 AM A		
EC1030	Review and Approve Designs	21.60d	17-Jan-11 09:36 AM A	17-Feb-11 03:24 PM A	
EC1050	Assemble Technical Data for Heat Pump	7.20d	16-Feb-11 08:00 AM A	25-Feb-11 09:36 AM A	
EC1160	Review Technical Data on Heat Pumps	26.88d	24-Feb-11 09:36 AM A	06-Apr-11 09:36 AM A	
Foundation		149.55d	23-Feb-11 08:00 AM A	23-Sep-11 01:24 PM	171.16d
EC1100	Site Preparation	43.08d	23-Feb-11 08:00 AM A	18-Apr-11 09:36 AM A	
11.345-4	Cost for Foundation	149.55d	23-Feb-11 08:00 AM A	23-Sep-11 01:24 PM	164.16d
EC1090	Begin Building Construction	0.00d	28-Feb-11 08:00 AM A		
EC1230	Excavation	24.13d	02-May-11 08:00 AM	06-Jun-11 09:00 AM	126.91d
EC1320	Install Underground Water Lines	12.13d	03-Jun-11 08:00 AM	21-Jun-11 09:00 AM	126.91d
EC1330	Install Underground Electric Conduit	12.13d	03-Jun-11 08:00 AM	21-Jun-11 09:00 AM	126.91d
EC1340	Form/Pour Concrete Footings	24.13d	21-Jun-11 08:00 AM	26-Jul-11 09:00 AM	126.91d
EC1350	Concrete Foundation Walls	24.13d	25-Jul-11 08:00 AM	26-Aug-11 09:00 AM	126.91d
EC1360	Form and Pour Slab	12.13d	26-Aug-11 08:00 AM	14-Sep-11 09:00 AM	126.91d
EC1370	Backfill and Compact Walls	4.93d	13-Sep-11 08:00 AM	19-Sep-11 04:24 PM	126.91d
EC1380	Foundation Phase Complete	0.00d		19-Sep-11 03:24 PM	177.91d

Reviewing the Schedule

IN P6 PRO…

- Original Duration vs Remaining Duration Review.

Layout: Original vs Remaining Duration layout | Filter: All Activities

ctivity ID	Activity Name	Original Duration	Remaining Duration
Sample Project # 3		**854.9**	**364.0**
BAS and Building Related Systems		**392.0**	**147.0**
BAS1000	Update BAS URS/FS/DS	25.0	0.0
BAS2050	Review BAS URS/FS/DS	5.0	0.0
BAS1010	Partition spec to GMP/non-GMP	2.0	0.0
BAS2070	Approve non-GMP BAS URS/FS/DS	1.0	0.0
BAS2060	Approve GMP BAS URS/FS/DS	10.0	10.0
BAS GMP Network		**304.0**	**93.0**
13	URS approval	25.0	0.0
18	Update IOC Protocol BAS Network (GMP only)	10.0	10.0
11	Subbmittt Request	0.0	0.0
112	Start of AHU PQ Milestone (TBD)	5.0	0.0
110	IOC Execution BAS Network (GMP only) Server	35.0	0.0
19	Finalize Request and submit	5.0	0.0
16	ETOP (BAS Network) Required	0.0	0.0
111	Draft IOC Summary Report	5.0	0.0
17	Draft IOC Protocol BAS Network (GMP only)	20.0	0.0
15	Construction Handover-BAS Network	0.0	0.0
12	BAS Risk Assessment & Report	10.0	0.0

Reviewing the Schedule

IN P6 PRO…

Level of Effort not capturing the correct Dates?

Layout: EE Palmdale to Burbank official | Filter: All Activities

Activity ID	Activity Name	Original Duration	Remaining Duration	Duration % Complete	Start	Finish	Predecessors	Successors	Total Float
LOE Issue?	LOE Issue ? why is the finish date not showing -Jan18?	259	248	0%	04-Jan-17	29-Dec-17	2300	2301	162

General | Status | Relationships | Resources | Codes | Notebook | Feedback | Summary

Activity: LOE Issue? — LOE Issue ? why is the finish date not showing -Jan18?

Project: CHSR- P2K 4 Alts-32

Predecessors

Activity	Activity Name	Driving	Relation	Start	Finish
2300	Prepare 401 & 404 Applications	☑	SS	04-Jan-17	27-Mar-17

Successors

Activity ID	Activity Name	Driving	Start	Finish	Relation	Lag
2301	Submit 401 & 404 Applications	☑	02-Jan-18	02-Jan-18	FF	0

Activity Name	Original Duration	Remaining Duration
Submit 401 & 404 Applications	1	0

Reviewing the Schedule

IN P6 PRO…

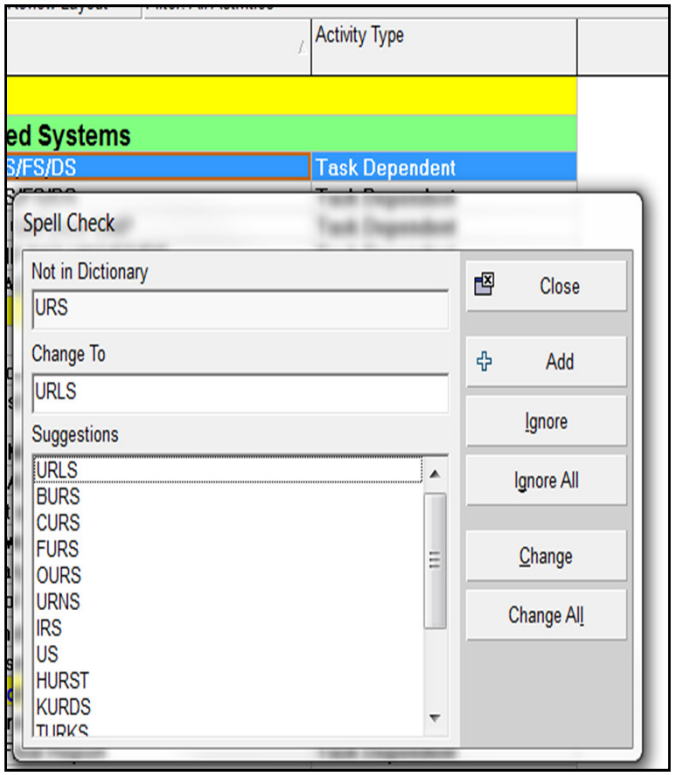
- Logic and Lag Review.

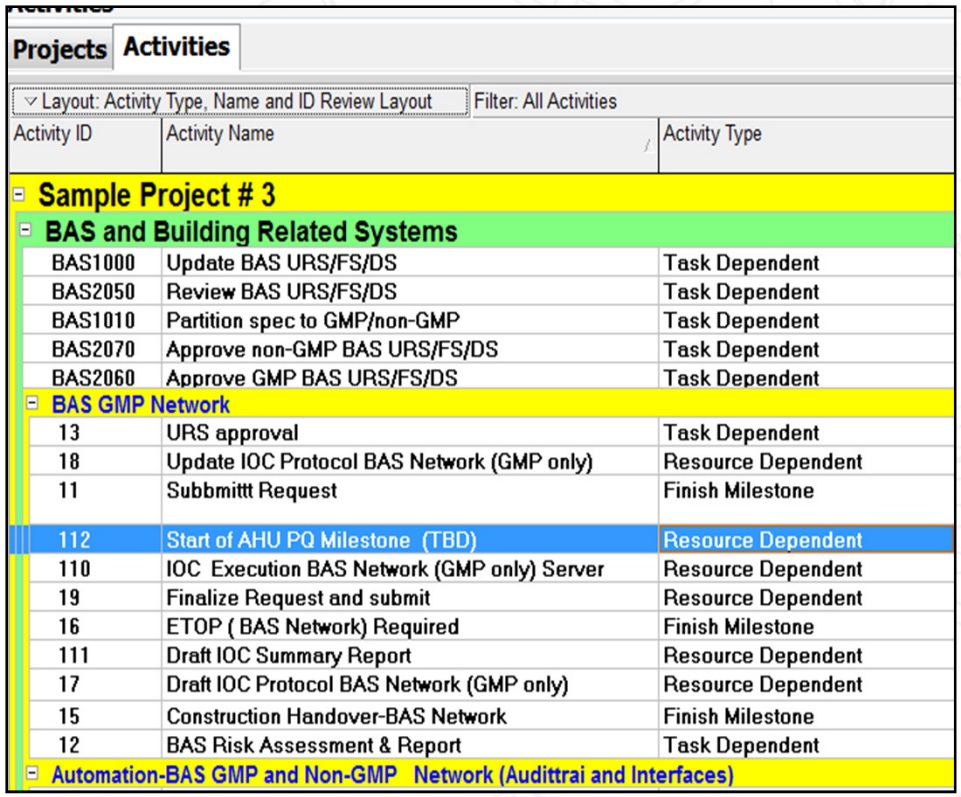
Predecessor Details	Successor Details
	1WCH1180: FS, AHC1110: FS, 1HWH1110: FS, FZA1150: FS, CRA1140: FS, 1STM1120: FS, AHL1380: FS, SCA1140: FS, 1SWT1110: FF 5.0, 1TFL1180: FS, AHA1070: FS, ALC1150: FS, 18: FS, AHK1140: FS, AHL1120: FS, SCH1140: FS, ASP1140: FS, 1AHB1110: FS, 1TFC1180: FS, AHN1140: FS, BAS2060: FS, BAS2070: FS,
BAS2050: FS	BAS2070: FS, BAS2060: FS
BAS1000: FS	BAS1010: FS
BAS1000: FS, BAS1010: FS	HFH3080: FF, BFH2080: FF, 14: FS, AHA1000: FS, 1AHB1080: FS, AHC1000: FS, AHL1350: FS, AHN1000: FS, FZA1000: FS, ALC1000: FS
BAS1000: FS, BAS1010: FS	1SWT1120: FS, 1WCT1120: FS, 1WCH1190: FS, 1TFL1190: FS, HFH3080: FF, 1HWH1240: FS, 1TFC1190: FS, BFH2080: FF, 1STM1130: FS, 1HWH1100: FS, 1WCT1110: FS, 14: FS, 1TFH1240: FS, 1STM1120: FS
	12: FS
19: FS, 16: FS 5.0	SCH1180: FS , SCA1170: FS , 111: FS
110: FS	112: FS
111: FS	
13: FF, 11: FS	17: FS
	12: FF

Reviewing the Schedule

IN P6 PRO…

- Activity Name, ID and Type Review.
- Check Spelling!





Reviewing the Schedule

IN P6 PRO…

- Constraint Layout Review
- Do you care about completed activities with Constraints?

Activities

Projects | Activities

Layout: Constraint Layout Review | Filter: All Activities

Activity ID	Activity Name	Start	Finish
Total		28-Sep-12 12:00 AM A	29-Apr-15 05:00 PM
As Late As Possible		28-Sep-12 12:00 AM A	29-Apr-15 05:00 PM
Finish On or After		04-Dec-12 05:00 PM A	12-May-14 12:00 PM
Finish On or Before		12-Jan-15 08:00 AM	16-Jan-15 04:00 PM
LVF15270	Approve PQ Summary Report	12-Jan-15 08:00 AM	16-Jan-15 04:00 PM*
Mandatory Start		17-Feb-14 08:00 AM	07-Mar-14 05:00 PM
UVS1060	Draft IOCQ Protocol	17-Feb-14 08:00 AM*	07-Mar-14 05:00 PM
Start On or After		28-Feb-13 08:00 AM A	09-Mar-15 05:00 PM
DWF2120	Post FAT specs (CM) review	03-Apr-13 08:00 AM A	01-May-13 12:00 AM A
ROX1080	Functional testing	01-May-13 08:00 AM A	15-May-13 12:00 AM A
ROH1030	Start-up	28-Feb-13 08:00 AM A	15-May-13 12:00 AM A
DCP2130	CM spec update	14-May-13 08:00 AM A	21-May-13 05:00 PM A
ROV7105	Functional testing	06-May-13 12:00 AM A	22-May-13 12:00 AM A
ROX6090	Functional testing	06-May-13 08:00 AM A	22-May-13 12:00 AM A
CVA1430	Functional testing	21-May-13 08:00 AM A	29-May-13 12:00 AM A
ROH1120	Functional testing	06-May-13 08:00 AM A	04-Jun-13 12:00 AM A
ROA1015	Functional testing	06-May-13 08:00 AM	04-Jun-13 12:00 AM A

Reviewing the Schedule

IN P6 PRO…

- Do not rely only on the Schedule log report.

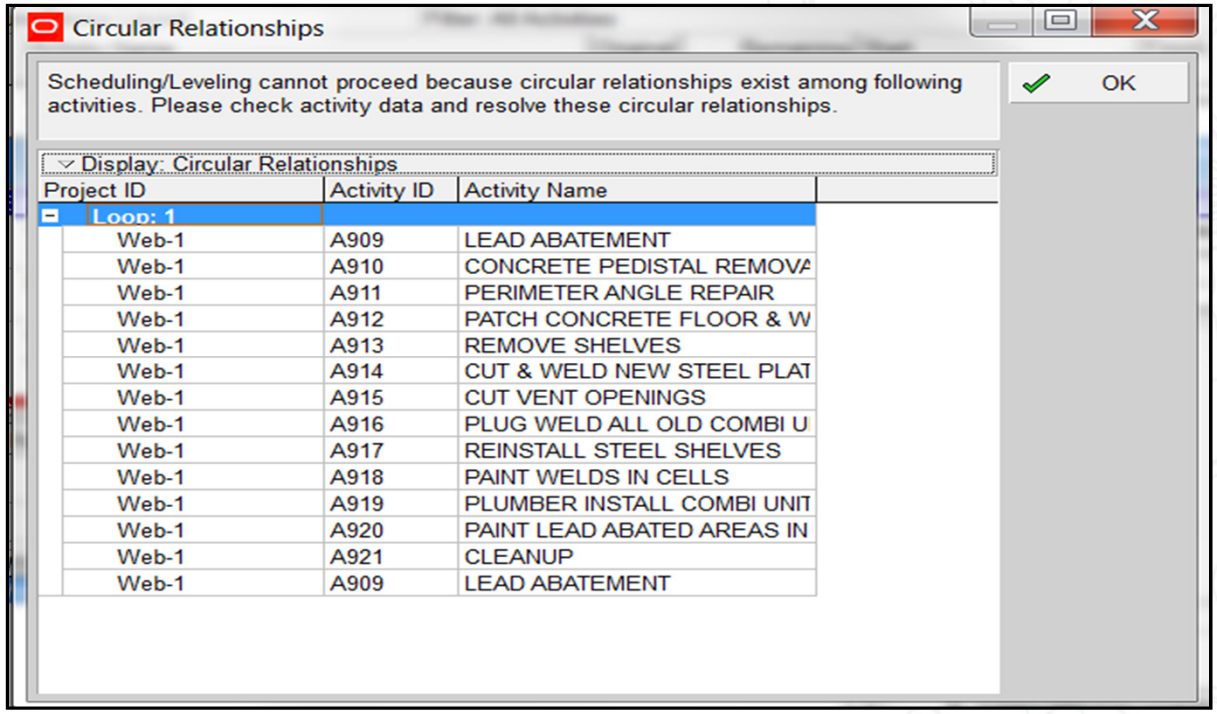
```
Errors:
-------
Warnings:
---------
        Activities without predecessors.................................508
                Project:        Web-3   Activity:       1AHB1030        Physical  Completion
                Project:        Web-3   Activity:       1AHB1090        ETOP prepped for Draft Protocol
                Project:        Web-3   Activity:       1BAS1010        FS/DS rev. 2 w/ comments requir
                Project:        Web-3   Activity:       1BAS1110        URS approval
                Project:        Web-3   Activity:       1HWH1030        Physical  Completion
                Project:        Web-3   Activity:       1HWH1080        URS/FS/DS Required
                Project:        Web-3   Activity:       1HWH1090        ETOP prepped for Draft Protocol
                Project:        Web-3   Activity:       1STM1030        Physical  Completion
                Project:        Web-3   Activity:       1STM1090        URS/FS/DS Required
                Project:        Web-3   Activity:       1STM1100        ETOP prepped for Draft Protocol
                Project:        Web-3   Activity:       1SWT1030        Physical  Completion
                Project:        Web-3   Activity:       1SWT1070        ETOP ready for handover
                Project:        Web-3   Activity:       1SWT1080        URS/FS/DS Required
```

```
Activities with Actual Dates > Data Date........................3
        Project:        Web-3   Activity:       1SWT1120        Approve IOC Protocol
        Project:        Web-3   Activity:       PRD1130 Approve IOCQ Protocol
        Project:        Web-3   Activity:       UML1030 URS/FS/DS Required

Milestone Activities with invalid relationships..................1
        Project:        Web-3   Activity:       BDS1060 ETOP ready for handover

Finish milestone and predecessors have different calendars.......21
        Project:        Web-3   Activity:       DBA1020 DSAT S/W delivery  (EM)
        Project:        Web-3   Activity:       DBA1020 DSAT S/W delivery  (EM)
        Project:        Web-3   Activity:       DBA1110 DSAT S/W delivery (Phases)
        Project:        Web-3   Activity:       DBH1190 DSAT S/W delivery  (EM)
        Project:        Web-3   Activity:       DBH1190 DSAT S/W delivery  (EM)
        Project:        Web-3   Activity:       DCP1010 DSAT S/W delivery  (CM, graphics, int
        Project:        Web-3   Activity:       DCP1050 DSAT S/W delivery  (EM)
```

Reviewing the Schedule

IN P6 PRO…

- Run the Schedule, do you have loops/ Circular Logic?

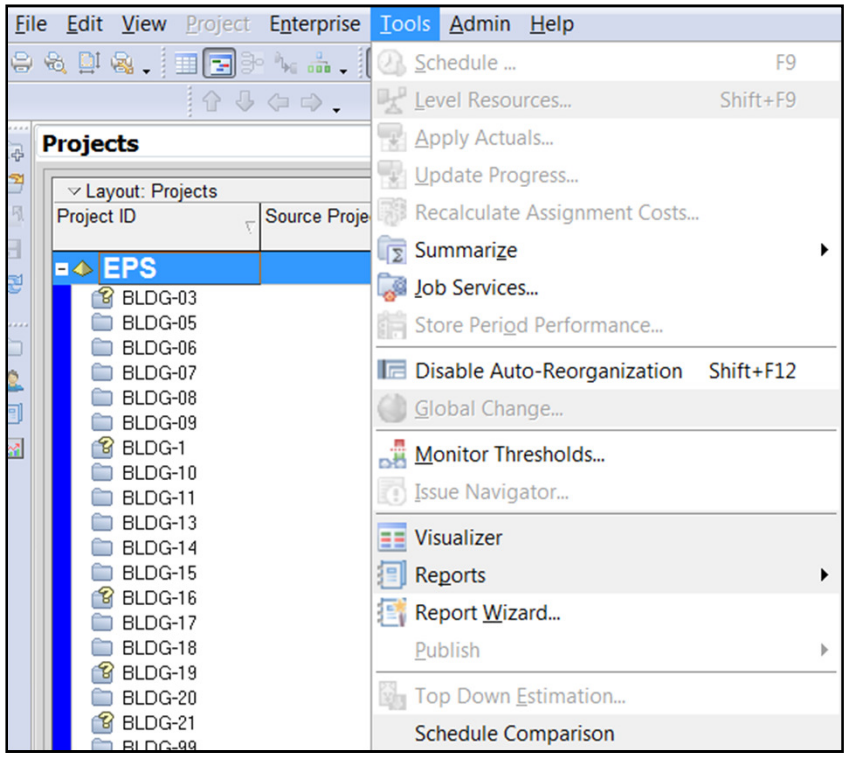


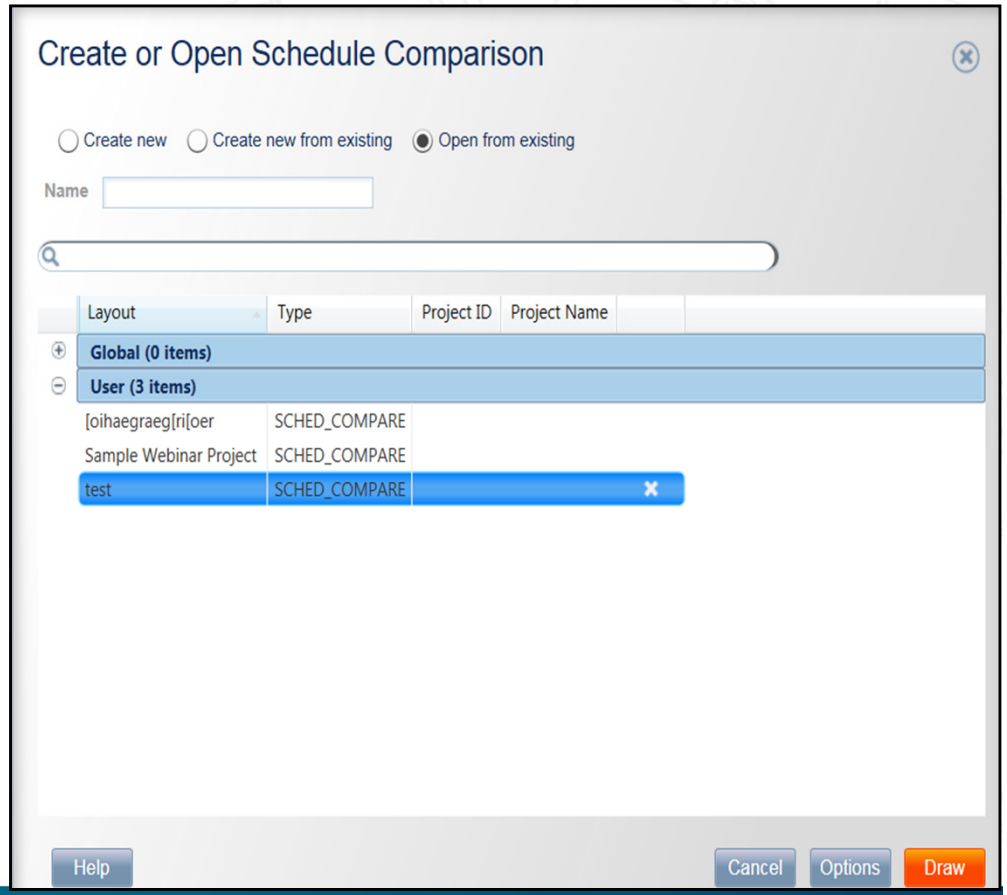
Project ID	Activity ID	Activity Name
Loop: 1		
Web-1	A909	LEAD ABATEMENT
Web-1	A910	CONCRETE PEDISTAL REMOVA
Web-1	A911	PERIMETER ANGLE REPAIR
Web-1	A912	PATCH CONCRETE FLOOR & W
Web-1	A913	REMOVE SHELVES
Web-1	A914	CUT & WELD NEW STEEL PLAT
Web-1	A915	CUT VENT OPENINGS
Web-1	A916	PLUG WELD ALL OLD COMBI U
Web-1	A917	REINSTALL STEEL SHELVES
Web-1	A918	PAINT WELDS IN CELLS
Web-1	A919	PLUMBER INSTALL COMBI UNIT
Web-1	A920	PAINT LEAD ABATED AREAS IN
Web-1	A921	CLEANUP
Web-1	A909	LEAD ABATEMENT

Reviewing the Schedule

IN P6 PRO…

– Schedule Comparison in Visualizer

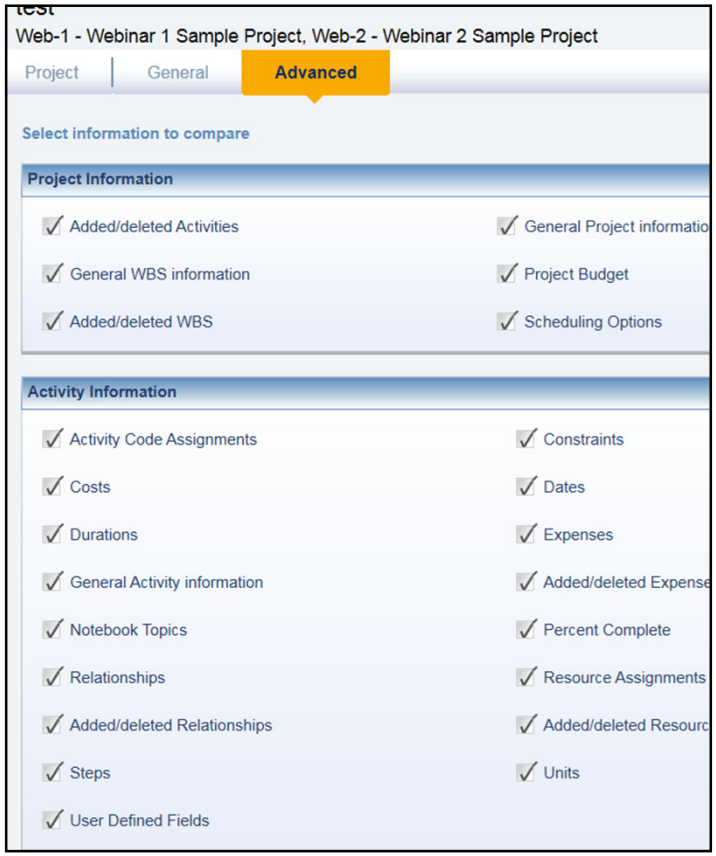




Reviewing the Schedule

IN P6 PRO…

– Schedule Comparison in Visualizer



Reviewing the Schedule

IN P6 PRO…

– Schedule Comparison in Visualizer

sample 2

Web-1 - Webinar 1 Sample Project, Web-2 - Webinar 2 Sample Project

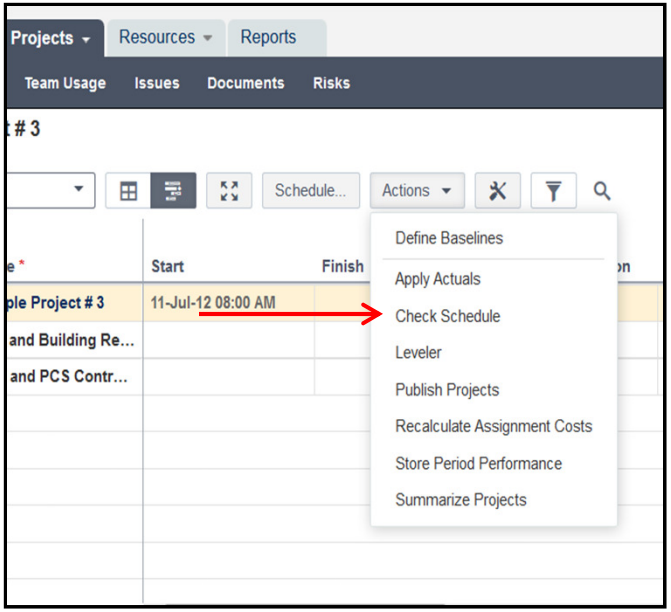
Close L

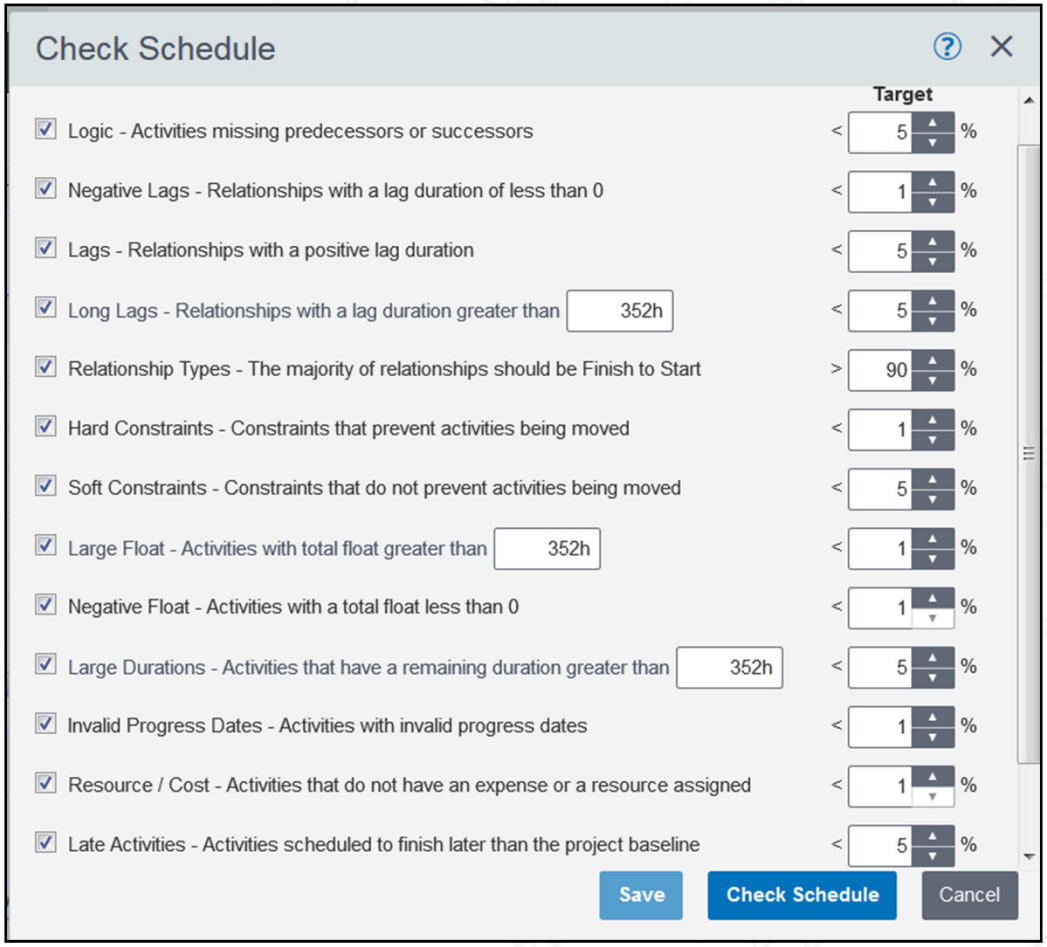
A921	CLEANUP			Responsibilty	HKS
Activity Relationships Added/Deleted					
The following Predecessor Activity Relationships have been added to the project					
Activity ID	**Activity Name**	**Relationship Lag**	**Relationship Type**	**Predecessor Activity Id**	**Predecessor Activity Name**
A2120	HVAC Testing Commissioning (startup, testing)	0.000000	Finish to Start	A1860	CLEANING
A2460	Detailed Inspection	0.000000	Finish to Start	A1010	PROJECT SUBSTANTIAL COMPLETION
A2620	Final Inspection	0.000000	Finish to Start	A2460	Detailed Inspection
A2630	Joint Inspection	0.000000	Finish to Start	A2620	Final Inspection
A2640	Owner Training	0.000000	Finish to Start	A1870	PUNCHLIST
A2640	Owner Training	0.000000	Finish to Start	A2125	HVAC Balancing
A2130	Asbuilts	0.000000	Finish to Start	A1840	FLOORING
A2140	O&M's	0.000000	Finish to Start	A1840	FLOORING
A1310	BASELINE SCHEDULE	0.000000	Finish to Start	A1300	SECURE SUB-CONTRACTS
A1300	SECURE SUB-CONTRACTS	0.000000	Finish to Start	A1000	PROJECT AWARD
A1320	SWPPP CONTROLS	0.000000	Finish to Start	A1310	BASELINE SCHEDULE
A1360	TEMPORARY ROAD	0.000000	Finish to Start	A1320	SWPPP CONTROLS
A1370	TEMPORARY FENCE	0.000000	Finish to Start	A1360	TEMPORARY ROAD
A1340	UNDERGROUND UTILITY LOCATORS	0.000000	Finish to Start	A1370	TEMPORARY FENCE
A1340	UNDERGROUND UTILITY LOCATORS	0.000000	Finish to Start	A2010	CONCRETE STRUCTURES
A1350	INSTALL STORM LINE STRUCTURES	0.000000	Finish to Start	A1340	UNDERGROUND UTILITY LOCATORS
A1350	INSTALL STORM LINE STRUCTURES	0.000000	Finish to Start	A2020	PIPING
A1390	INSTALL WATER LINE	0.000000	Finish to Start	A1340	UNDERGROUND UTILITY LOCATORS
A1390	INSTALL WATER LINE	16.000000	Start to Start	A1350	INSTALL STORM LINE STRUCTURES
A1400	SITE LIGHTING & CONDUIT RUNS	0.000000	Finish to Start	A1340	UNDERGROUND UTILITY LOCATORS
A1400	SITE LIGHTING & CONDUIT RUNS	16.000000	Start to Start	A1390	INSTALL WATER LINE
A1410	FUEL TANK EXCAVATION	0.000000	Finish to Start	A1340	UNDERGROUND UTILITY LOCATORS
A1410	FUEL TANK EXCAVATION	16.000000	Start to Start	A1400	SITE LIGHTING & CONDUIT RUNS
A1470	GAS PIPE	0.000000	Finish to Start	A1690	WATER LINE WELL & PUMP

Reviewing the Schedule

IN P6 EPPM…

– Check Schedule Tool





Reviewing the Schedule

IN P6 EPPM…

Report Output

14 point check

Projects checked have links to the following Closed Projects

None found

Check Summary

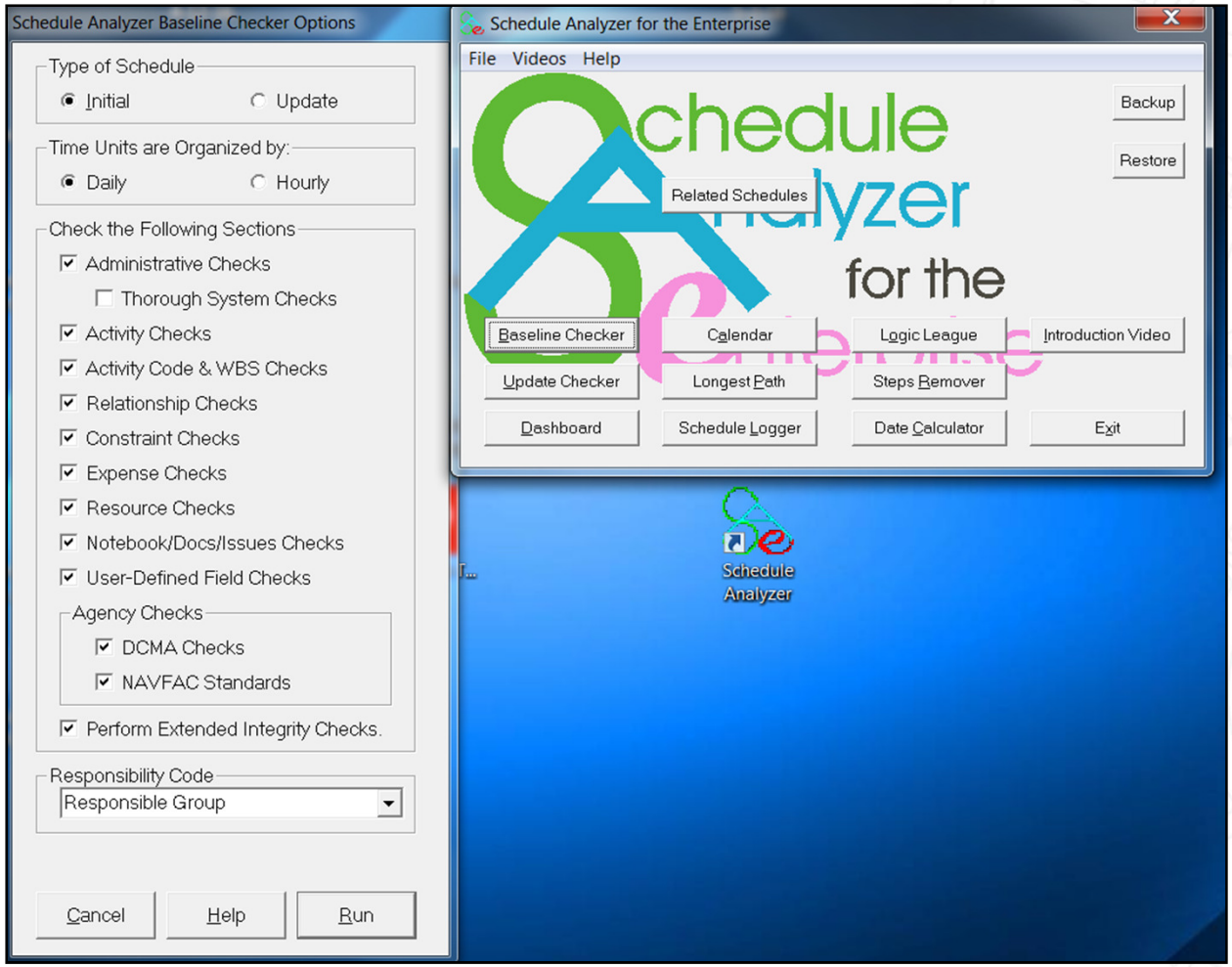
Check	Description	Target	Actual	Found	Total
Logic	Activities missing predecessors or successors	< 5%	11%	4	38
Negative Lags	Relationships with a lag duration of less than 0	< 1%	0%	0	65
Positive Lags	Relationships with a positive lag duration	< 5%	9%	6	65
Long Lags	Relationships with a lag duration greater than 352 hours	< 5%	0%	0	65
Relationship Types	The majority of relationships should be Finish to Start	> 90%	42%	27	65
Hard Constraints	Constraints that prevent activities being moved	< 1%	7%	2	30
Soft Constraints	Constraints that do not prevent activities being moved	< 5%	3%	1	30
Large Float	Activities with total float greater than 352 hours	< 1%	0%	0	30
Negative Float	Activities with a total float less than 0	< 1%	0%	0	30
Large Durations	Activities that have a remaining duration greater than 352 hours	< 5%	0%	0	25
Invalid Progress Dates (before the data date)	Incomplete activities before the data date	< 1%	0%	0	30
Invalid Progress Dates (after the data date)	Activities with actual dates after the data date	< 1%	0%	0	30
Resource / Cost	Activities that do not have an expense or a resource assigned	< 1%	8%	2	25
Late Activities	Activities scheduled to finish later than the project baseline	< 5%	0%	0	25
BEI	Baseline Execution Index	> 0.95	1	-	-

Logic - Activities missing predecessors or successors

Project ID	Activity ID	Activity Description	State
9013-0506	000-00	Notice to Proceed	No Predecessor
9013-0506	000-01	Calendar Cutoff Asphalt	No Successor
9013-0506	000-02	Calendar Start Asphalt	No Predecessor
9013-0506	000-04	Project Complete	No Successor

Reviewing the Schedule

SCHEDULE ANALYZER FOR THE ENTERPRISE…



Reviewing the Schedule

SCHEDULE ANALYZER FOR THE ENTERPRISE…

Calendar: Standard

File Settings Calendars Edit Help Video SAe Version: 3.29

```
                    Schedule Analyzer
                 Calendar Listing for
                       Standard


Calendar: Standard
Calendar Type: Project Calendar for Schedule CHSR- P2K 4 Alts-14
Default Schedule: No
Base Calendar: None
Last Modified: (unmodified)
Work Days:
    Sunday = Nonwork day
    Monday = Work day:
    Tuesday = Work day:
    Wednesday = Work day:
    Thursday = Work day:
    Friday = Work day:
    Saturday = Nonwork day
Extra Workdays:  None
Holidays: None
Hour Conversion Factors: Hours/Day = 8, Hours/Week = 40, Hours/Month = 160.
```

Reviewing the Schedule

SCHEDULE ANALYZER FOR THE ENTERPRISE…

– Baseline Check Report

```
============================  Activity Checks  ====================
Checking for Failure to run CPM. 0 found
Checking for Missing Actual Start Dates. 0 found.
Checking for Missing Actual Finish Dates. 0 found.
Checking for Fractional Added Days. 0 found.
Checking for Modified Fractional Days. 0 found.
Checking for Possible Mismatched Activities. 0 found.
Checking for Deleted As-Built Activities. 51 found.
Checking for Deleted In-Progress Activities. 23 found.
Checking for Deleted Planned Activities. 158 found.
Checking for Added As-Built Activities. 35 found.
Checking for Added In-Progress Activities. 14 found.
Checking for Added Planned Activities. 137 found.
Checking for Changed Activity Types. 305 found.
Checking for Changed Duration Type. 42 found.
Checking for Modified Original Durations. 333 found.
Checking for Activities with New Calendars. 502 found.
Checking for Changed Percent Complete Type. 40 found.
Checking for Percent Complete does not match durations. 79 found.
Checking for New Percent Complete this period. 266 found.
Checking for Changed Total Float Greater then Update Period. 402 four
Checking for Changed Activity Descriptions. 210 found.
Checking for New Actual Dates before Target Data Date. 22 found.
Checking for New Actual Dates after Update Data Date. 0 found.
Checking for Activities with New Actual Dates This Period. 81 found.
Checking for New Actual Start Dates by Weekday. 61 found.
Checking for New Actual Finish Dates by Weekday. 57 found.
Checking for New Actual Dates with Incorrect Times. 35 found.
Checking for Activities with Modified Actual Start Dates. 62 found.
Checking for Activities with Modified Actual Finish Dates. 34 found.
Checking for Planned Dates not equal to Early Dates. 241 found.
Checking for Active Activities with Zero Percent Complete. 50 found.
Checking for Actual Starts without progress this period. 72 found.
Checking for Diminishing progress this period. 177 found.
Checking for Activities that Could Have Started this Period. 71 found
Checking for Activities that Could Have Finished. 17 found.
Checking for Newly Completed Activities that Finished Late. 13 found.
Checking for Suspend Date Status Change. 0 found.
Checking for Resume Date Status Change. 0 found.
```

Reviewing the Schedule

SCHEDULE ANALYZER FOR THE ENTERPRISE…

Expand	Overview
Administrative Checks	Warnings
DCMA 14-Point Checks	(not found)
Activity Checks	Warnings
Activity Code Checks	OK
Relationship Checks	Warnings
Constraint Checks	OK
Expense Checks	OK
Resource Checks	OK
Notebook Checks	Cautions
User-Defined Checks	(not found)

Expand	Details	Lower	Upper
Administrative Checks	OK		
DCMA 14-Point Checks	OK		
Activity Checks	Problem		
Activity Code Checks	Problem		
Relationship Checks	Problem		
Deleted Relationships	231	1	20
Relationships Deleted before Target	15	1	1
Relationship Deleted with Activity	415	1	10
Newly Orphaned Activities	0	30	60
Added Relationships	226	1	20
Relationships Added before Target	33	1	1
Relationship with Activity	450	30	60
Added Invalid Relationships	0	1	5
Modified Relationships	40	10	30
Modified Lags	0	10	30
Modified Lags Before Target Date	0	1	1
No Finish Relationship	0	1	5
Constraint Checks	Problem		
Expense Checks	OK		
Resource Checks	OK		
Notebook, Document & Issues Checks	Caution		
User-Defined Field Checks	Problem		

Schedule Analyzer: CHSR-_P2K_4_Alts-32-1.RPT - Free Memory: 9,523,396 K

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RELATIONSHIP DELETED WHEN ACTIVITY DELETED (Rel Key: Relationship/Lag)			
PRED	SUCC	FLOAT	TITLE
03	Rel=FS/0	200	Project Definition
	195	200	Submit Final Checkpoint B package
03	Rel=FS/0	200	Project Definition
	200	206	Submit Project Description Exhibits
03.04	Rel=FS/0	200	Alternative Analysis
	195	200	Submit Final Checkpoint B package
03.05	Rel=FS/0		Prepare Project Description
	200	206	Submit Project Description Exhibits
04.01	Rel=FF/0	-5	Infrastructure 15%
	424	428	Water Resources Identification & Monitoring
07.03.01	Rel=FF/0	1	Respond to Public Comments on Draft EIR/EIS
	07.03	173	Draft Final EIR/EIS
07.03.03	Rel=SS/0	7	Obtain Section 7 Biological Opinion from USFWS
	07.03	173	Draft Final EIR/EIS
1	Rel=FS/0		LNTP
	145		Memoranda of Understanding (not applicable)
1	Rel=FS/0		LNTP
	419	121	Update Geotechnical Database
1	Rel=FS/0		LNTP
	60		Baseline Report Table of Contents

Reviewing the Schedule

SCHEDULE ANALYZER FOR THE ENTERPRISE…

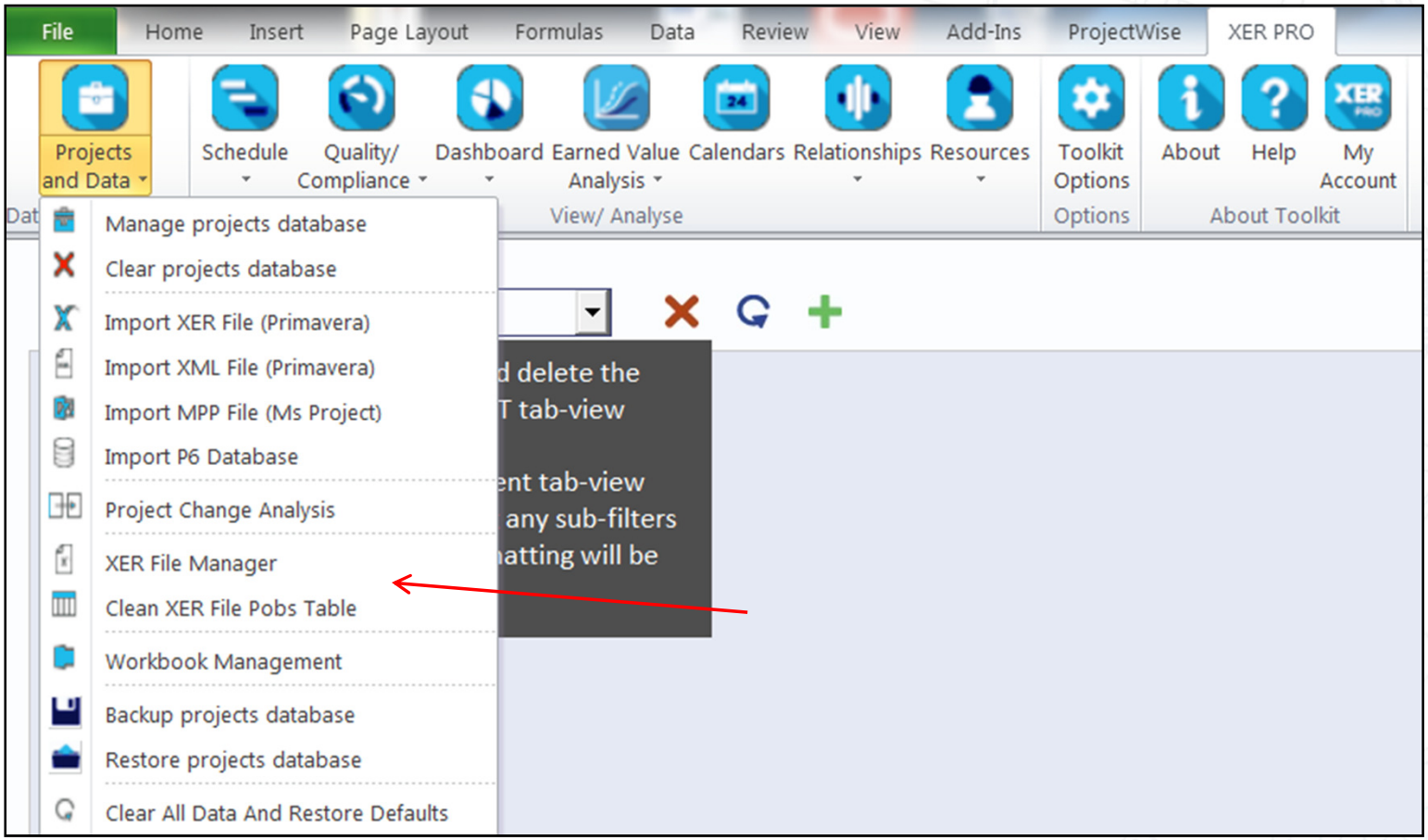
Deleted tasks since last update

```
============================ Activity Checks ============================

Target Project CHSR_EEPB-1 with 734 activities.  Data Date = 01JAN16
Update Project CHSR- P2K 4 Alts-32 with 688 activities.  Data Date = 01MAY16

Target Project Critical Float was  95 with 1 activities.
Update Schedule Total Float Analysis:
    Minimum Float: -5 with 150 activities.
    Average Float:  87.45 .
    Maximum Float:  667 .

Based upon the 'rule-of-thumb' of 1/3 of the update period,
    Target Near-Critical Float:  136 with 123 activities.
    Update Near-Critical Float:  36 with 189 activities.

0 active activities have no float.
0 Actual Start Dates are missing.
0 Actual Finish Dates are missing.
0 added activities were found with fractional durations.
0 activities were found with modified fractional durations.
0 Activities were possibly mis-matched due to ID modification.
```

AS-BUILT ACTIVITIES THAT HAVE BEEN DELETED SINCE LAST UPDATE		
ACT	TYPE	TITLE
03.05	LOE	Prepare Project Description
10	Resource	Project Management Plan Preparation
13	Resource	Meeting Notes+ action list
145	Start MS	Memoranda of Understanding (not applicable)
167.3	Task	Veterans Outreach for job fair at Metro
17	Resource	Health & Safety (included in PMP)
18	Resource	Develop specific H&S Plans
19	Start MS	Document Control/ProjectSolve Maintenance (N/A)
191	Task	Prepare Draft Checkpoint B package
21	Resource	Baseline CPM Schedule
213	Resource	Updated Aerial Imaging

Reviewing the Schedule

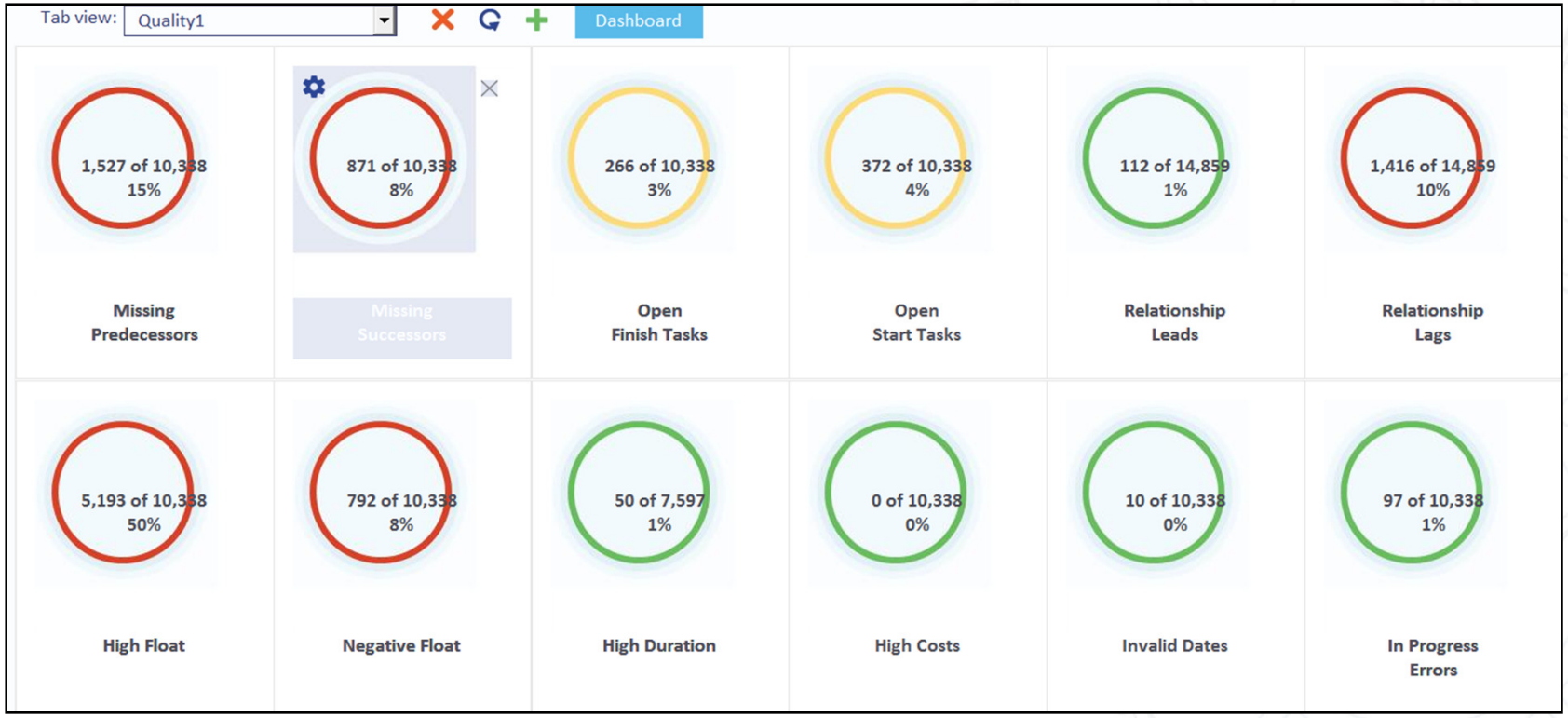
XER TOOL KIT



Reviewing the Schedule

XER TOOL KIT

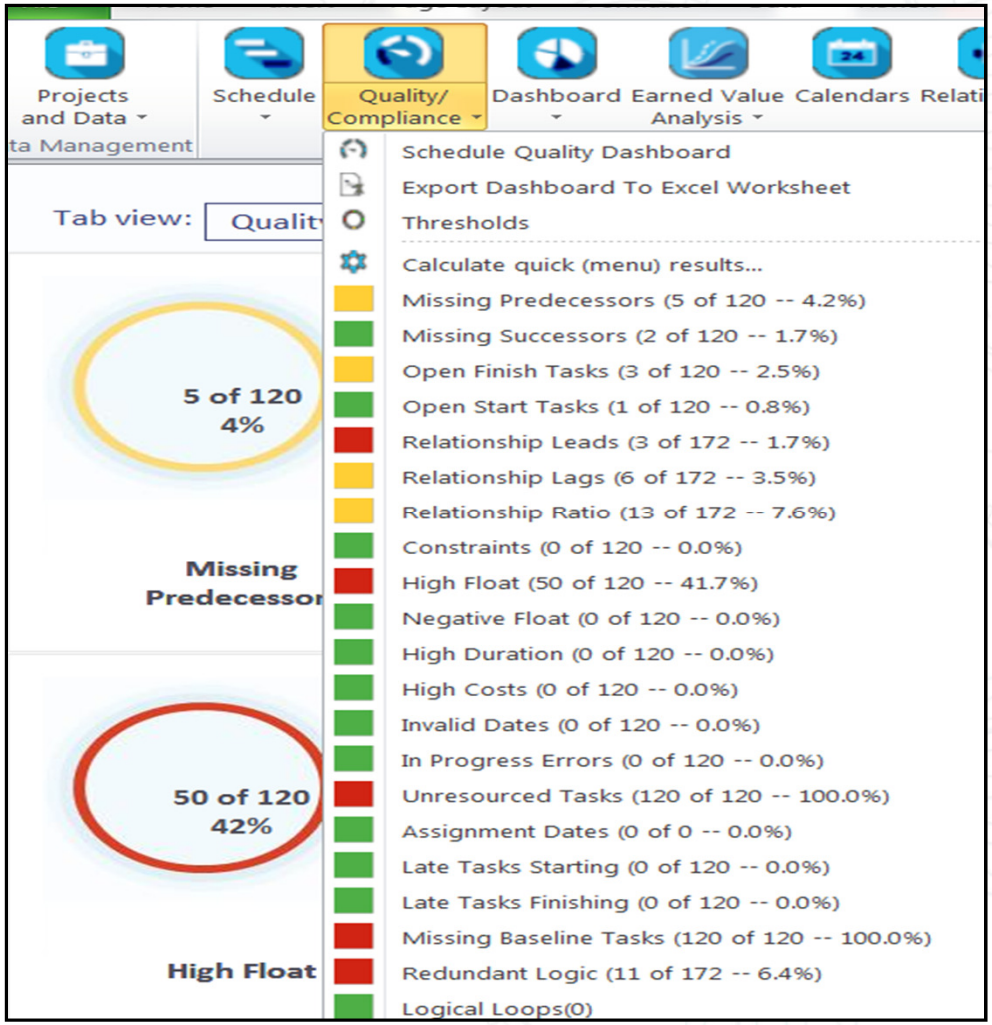
SCHEDULE QUALITY CHECK



Reviewing the Schedule

XER TOOL KIT

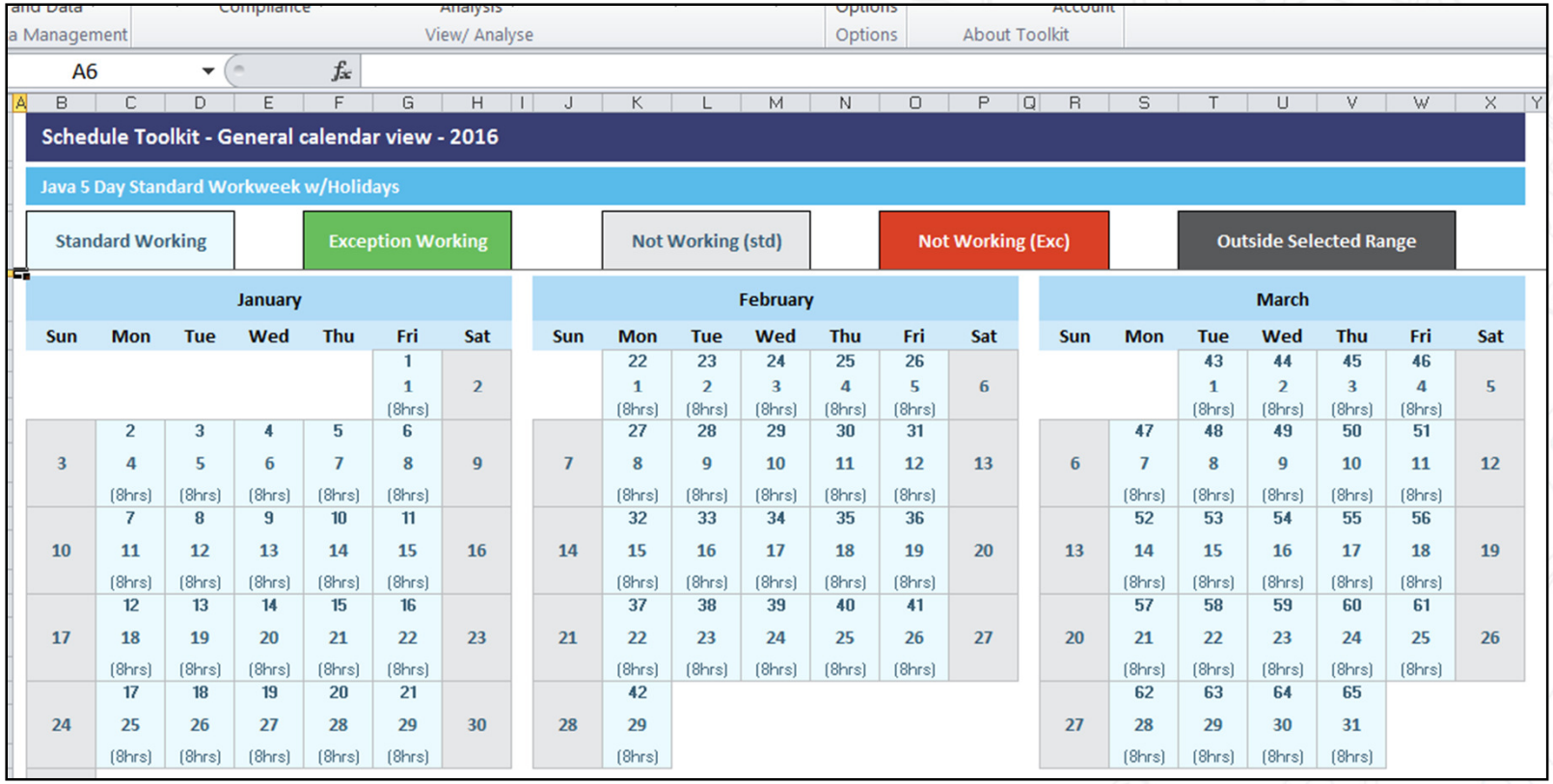
SCHEDULE QUALITY



Reviewing the Schedule

XER TOOL KIT

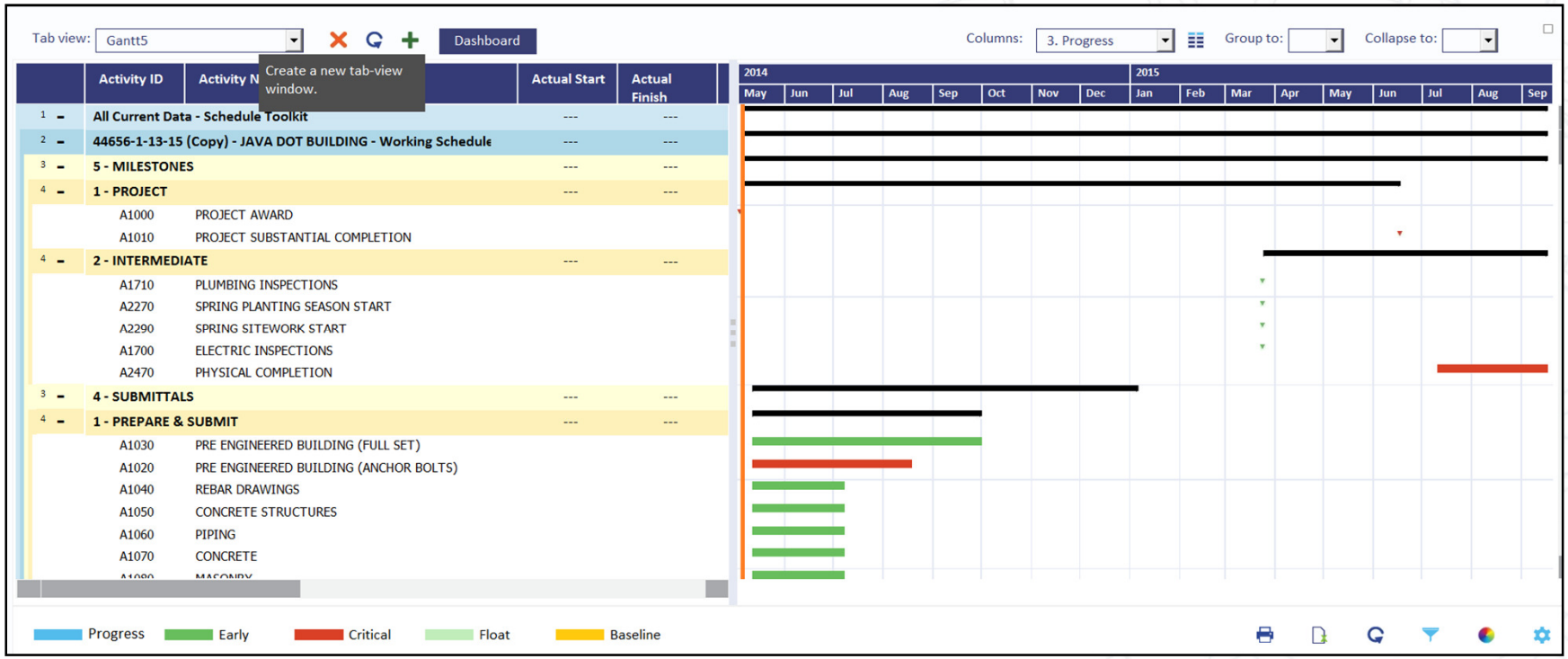
CALENDAR VIEW



Reviewing the Schedule

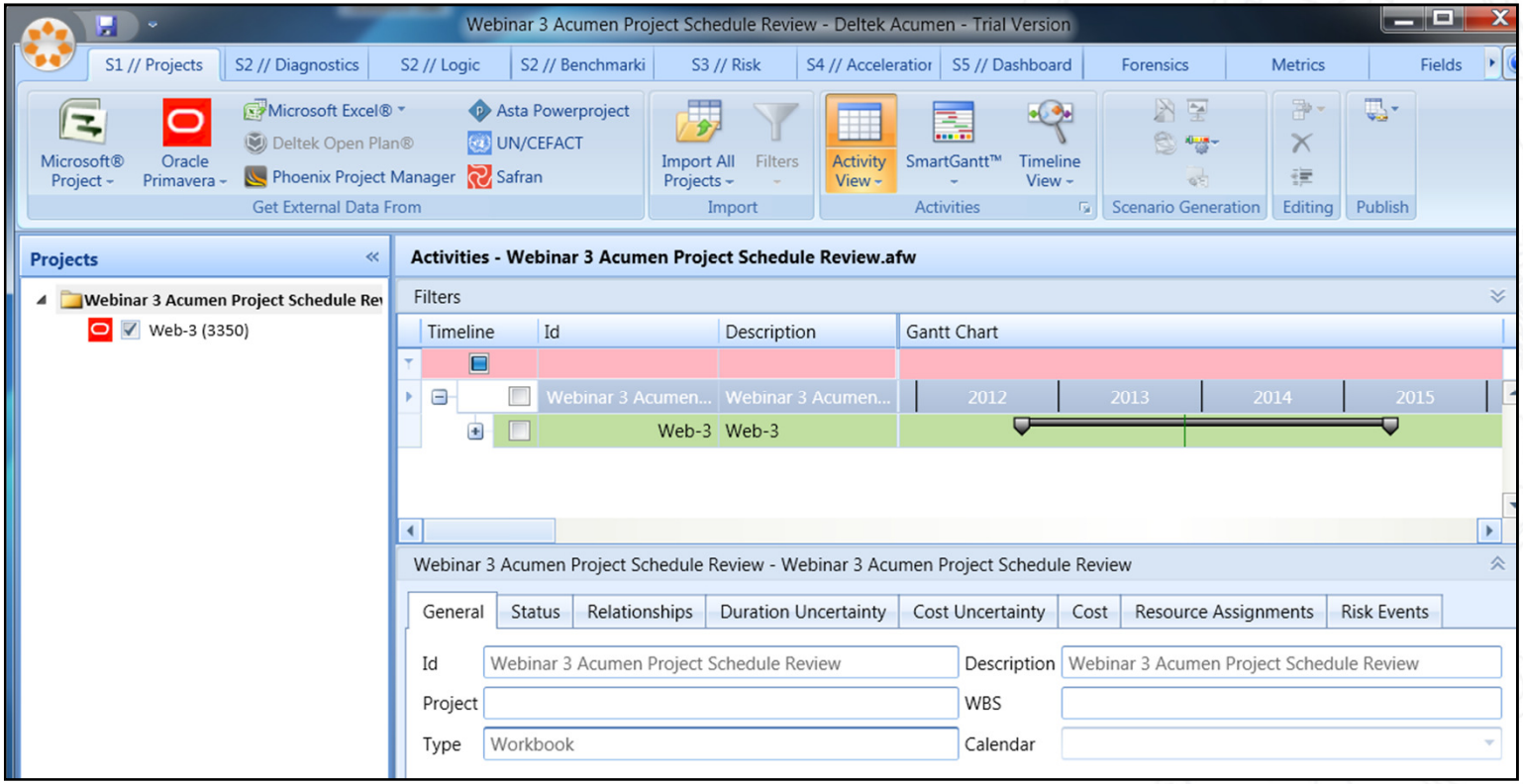
XER TOOL KIT

GANTT CHART VIEW



Reviewing the Schedule

ACUMEN- LIVE DEMONSTRATION OF SCHEDULE REVIEW



Writing the Report for Client

WHO WILL BE REVIEWING THIS REPORT?

- Management- less detail, more high level summary of schedule
- Schedulers- Very detailed report on every piece of the schedule

REVIEWING & PREPARING A SCHEDULE NARRATIVE REPORT FOR A CLIENT

Summary

- Don’t reply only on the schedule log report
- Leave no stone left unturned, dig as deep as possible into the schedule to find out the real story
- Make sure to write the report to communicate across different levels of the organization

June Technical Webinar

JUNE WEBINAR- WHAT'S NEW IN PRIMAVERA P6 16.1

June 22, 2016

10:00am Pacific Time

Presenter: Bill Owczarczak, Primavera Application Consultant

ABSTRACT: Oracle Primavera released Primavera P6 R16.1 on March 31, 2016. This webinar will go over the enhancements released in P6 EPPM, Team Member and P6 Professional. Some of the new features that we will cover include: Show Lag and Relationship Type columns in the activity table, Schedule Comparison in Visualizer (replacement of Claim Digger) in P6 Professional, visual and usability features in EPPM with new HTML5 platform and Team Member Mobile enhancements. Please join us to find all of the new features R16.1 has to offer.

Questions & Comments

- All questions are gathered into a master sheet, answered and distributed to all registrants as well as posted on our website.
- Answers are based on our own experiences using the various software products covered in this webinar.

Thank you for participating

Contact - contact@drmcnatty.com

Upcoming Events

AACE International
2016 Annual Meeting
Sheraton Centre Toronto
Toronto, ON, Canada

Sunday, June 26, 2016 -
Wednesday, June 29, 2016

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the loop

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