

Data Quality Assessment for Enterprise Project Management

SERVICE HIGHLIGHTS:

Evaluate project data quality across multiple dimensions:

- Schedule
- Cost
- Integrated Schedule and Cost
- External Data Trace
- Formal Report Content

Gain an objective analysis of the validity of your project's schedule, cost, and/or formal report content to help:

- Identify data quality issues
- Take the corrective actions needed to improve data quality
- Achieve better project management visibility and control
- Make more effective project decisions

Improve the Reliability of Schedule and Cost Data to Increase Project Visibility and Control

Government contractors and agencies require reliable project performance information they can trust to effectively manage projects and to ensure contractual obligations are being met. In some cases, the requirement for a data quality assessment is driven by internal efforts to improve the overall quality of project schedule and cost data for better management visibility and control. In other cases it is needed to verify a project has established credible schedule and cost data prior to a formal customer review.

Whether your organization needs to assess data quality on a one-time basis or as part of a recurring requirement you need objective answers to some fundamental questions regarding the reliability of project data. Is the schedule complete? Does the schedule identify the sequence of work and is it achievable? Does schedule and cost data represent the entire approved scope of work? Are the schedule and cost plans in agreement?

SERVICE DESCRIPTION

The Deltek Consulting Data Quality Assessment for Enterprise Project Management is designed to help customers that have implemented EPM software tools answer these questions so that program managers have confidence their project management control system is producing the project information they need to make informed project decisions.

The data quality assessment includes a forensic analysis of the following components:

- Schedule data as an independent entity
- Cost data as an independent entity
- Integration between the schedule and cost data
- Data traces to reconcile external data sources
- Formal report data content

SCHEDULE ANALYSIS

The forensic analysis of the schedule data includes a series of checks to verify the schedule is complete, identifies the sequence of work, and ensures it's achievable. Horizontal and vertical traceability is verified along with other data checks including:

- The use of constraints, durations, and float
- Identifying high risk activities
- Handoffs between work teams
- Incorporating subcontractor data
- Organization responsibilities
- How completed work is measured

COST ANALYSIS

The forensic analysis of the cost data includes a series of checks to verify the cost data represents the entire approved scope of work including level of effort and apportioned effort. The budget baseline and current estimate to complete time phasing is also verified. Other data checks include:

- Reconciling the work package and control account distributed costs to the contract budget baseline
- Verifying rates were properly applied
- Verifying the work package earned value methods
- Incorporating subcontractor costs

INTEGRATED SCHEDULE AND COST ANALYSIS

The goal of this forensic analysis is to determine if the schedule and cost plans are in agreement. Data checks verify the following:

- Work package start and finish dates match the related activity dates
- Earned value methods and current progress or status data is in agreement
- If the schedule is resource loaded, the resource detail is also in agreement
- Resource time phasing

DATA TRACE ANALYSIS

A variety of data trace analyses may be performed depending on the range of interfaces and requirements. Typical data traces that may be performed include:

- Comparing the accounting system and actual costs in the cost toolset to ensure they are in agreement
- Comparing work authorization documents to the schedule and cost data
- Verifying the content of the budget baseline logs including management reserve usage
- Verifying approved changes were incorporated into the budget baseline and the changes match approved requests

FORMAL REPORT ANALYSIS

A forensic analysis of the formal reports can highlight data errors such as actual costs to date that exceed the estimate at complete, the presence of actual costs with no performance or the presence of performance and no actual costs. Numbers between report formats are verified as well as required content such as contract numbers and program numbers. The goal is to ensure the reports are complete and accurate before they are sent to the customer.

DATA ANALYSIS REPORT

The Data Analysis Report is the primary deliverable of the data quality assessment. This report documents the overall assessment and identifies specific data problem areas and any other data anomalies encountered. The report provides fact-based information that supports a list of specific recommended actions to resolve the data quality issues and ultimately improve project management visibility and control.

The findings in the Data Analysis Report provide the basis to:

- Improve processes and procedures
- Modify toolset configuration options or interface routines to resolve issues and increase efficiency
- Implement additional user training

As desired, Deltek consulting services can help you implement the corrective actions identified in the Data Analysis Report.

A PROVEN METHODOLOGY

Deltek Consulting utilizes a repeatable and scalable lifecycle methodology in all customer engagements. This ensures Deltek customers are able to deploy and use Deltek software as effectively as possible so that business requirements are met as expected, and benefits are maximized.



DELTEK CONSULTING: UNEQUALED PROJECT-FOCUSED EXPERTISE

Supporting the information requirements of project-focused organizations requires specialized knowledge, and no other provider delivers the depth of expertise of Deltek. Deltek Consulting applies that expertise to help customers solve complex business issues and minimize project risks through a combination of business application, and technology services delivered by an experienced staff of professional consultants. Deltek also offers a comprehensive range of training services, delivered through Deltek University that increase the adoption of your EPM solution across the organization - making sure IT, program managers and executives are all taking advantage of the software's capabilities to the fullest extent possible.

With thousands of successful engagements executed over more than 20 years, Deltek's consultants have the proven experience to make sure your EPM solution is helping you meet your business objectives and improve the performance of your overall business.

LEARN MORE

To learn more about the Data Quality Assessment for Enterprise Project Management please contact your Solution Development Executive or visit www.deltek.com/services



Contact Deltek

www.deltek.com
info@deltek.com
800.456.2009

Deltek (NASDAQ: PROJ) is the leading provider of enterprise applications software designed specifically for project-focused businesses. For more than two decades, our software applications have enabled organizations to automate mission-critical business processes around the engagement, execution and delivery of projects. More than 12,000 customers worldwide rely on Deltek to measure business results, optimize performance, streamline operations and win new business.