ACEIT — Automated Cost Estimating Integrated Tools
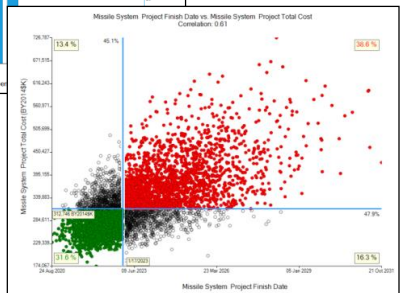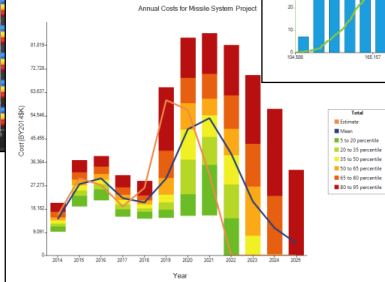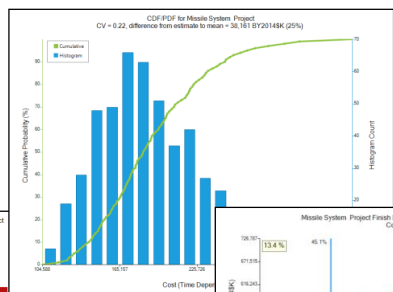
Automating the Estimating Environment

Integrating Cost and Schedule

ACEIT:JACS — Joint Analysis of Cost and Schedule

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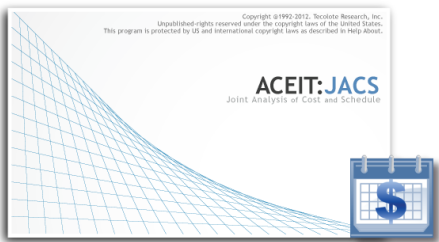
Joint Analysis of Cost and Schedule (JACS) is designed to quickly create probabilistic results for schedule and costs in an integrated schedule. **JACS** enables the cost-loading of schedule tasks and risk events, allowing the analyst to assign probability distributions and creating a holistic view of the resultant uncertainty analysis. **JACS** can be run as a MS Project add-in or standalone for use with Primavera P6 databases.

JACS combines ACE's powerful analytics engine with **JACS Observer** and **JACS Insight** graphical reporting, enabling an analyst to view the data and results from many different perspectives. As a Microsoft Project add-in, JACS resides on a platform that users are already familiar with, allowing the analyst to spend more time generating analysis results rather than learning to use the software. The output is a fully integrated cost and schedule model that decision makers and analysts can use to gain prescient insight into their program.

JACS is an easy-to-use tool containing built-in functionality to handle all aspects of integrating cost, schedule, and risks.

- ✓ Meets NPR 7120.5E JCL requirements
- ✓ Supports Risk-Informed Decision Making (RIDM) process
- ✓ Enhanced modeling methods to address costs based on time behavior
- ✓ Defend budgetary and scheduling decisions with evidence
- ✓ Minimizes data management issues by storing data within Microsoft Project
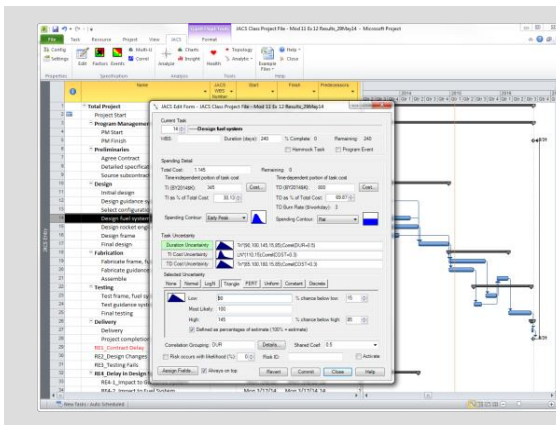- ✓ Robust reporting and analysis

Features

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Microsoft Project and Primavera P6

- Simple Project add-in or stand-alone P6 interface
- All input data stored within custom fields visible to the user.
- Drastically reduces learning curve associated with new software
- Utilizes the powerful scheduling tools available via Project and P6

Integration of Cost and Schedule

- Cost loading schedule tasks provides an appreciation of the symbiotic relationship between cost and schedule
- Full range of "What If" drills on cost, schedule, or discrete risk inputs
- Alignment of program costs and risks allows for a complete view of the program and measurement against the baseline plan and analogous systems
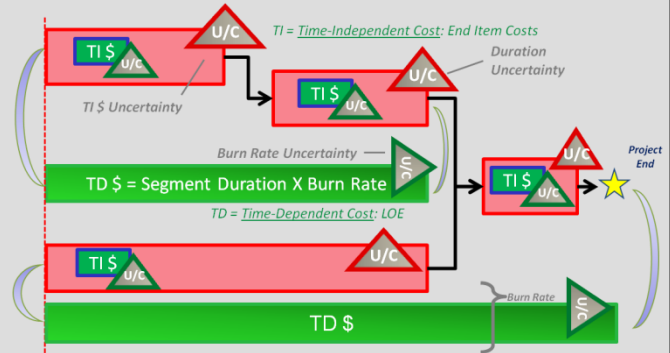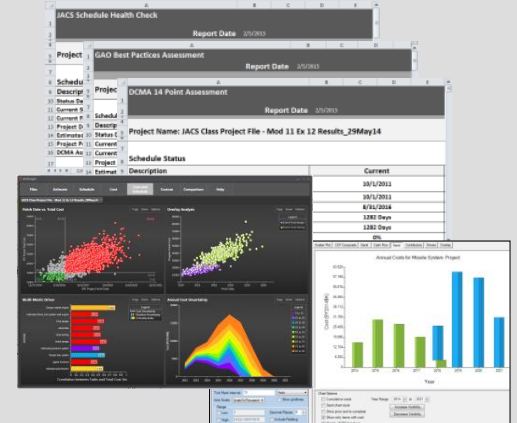
Complete Holistic Risk Analysis
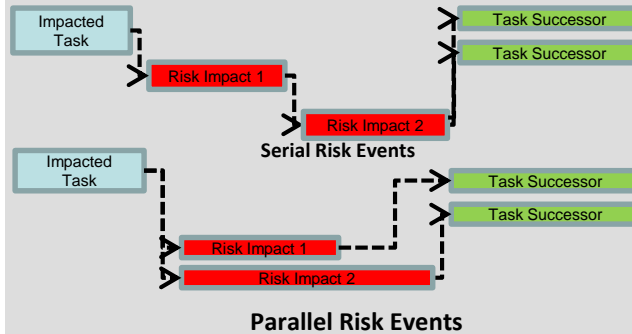
- Enables inclusion of discrete risks from a project's risk management system
- Estimates cost impacts due to schedule slips by aligning project phasing with schedule changes
- Provides multiple reports to analyze risk impacts on both cost and schedule
- Risk Informed Finish Threshold (RIFT) provides a threshold for an individual task at which the probabilistic project finish date will be maintained

Dynamic Health Checks and Reporting Tools

- Health Check Excel report ensures schedule is robust
  - ✓ GAO Best Practices Assessment
  - ✓ DCMA 14-point Assessment
- JACS Observer and Insight charting tools
  - ✓ Insight provides quick clean results in a dashboard-style format
  - ✓ Observer provides customizable outputs for detailed analysis
- A variety of Excel-based reports to understand every aspect of your schedule, from baseline reports to critical path analysis to risk event ranking and more!

additional information can be found at: **www.aceit.com/jacs**