

Booz Allen Hamilton's Guide to Analytical Program Management

Our methodology for integrating cost, schedule, and risk of a program or project includes six general steps, which are based on NASA's Joint Confidence Level (JCL) guidelines.



MISSION *



1. Identify Goals

Identify goals of JCL for project. For example: Finishing within a constrained budget and schedule, minimizing cost, schedule, and technical risks and identifying which risks to mitigate.



3. Cost Load Schedule

Separate costs into Time Dependent and Time Independent. Map costs to the schedule—can be done at a high or low level.



5. Run Simulation

Use Monte Carlo simulation tool to estimate all possible cost, schedule, and risk outcomes for projects. Capture results for analysis.

2. Build and Review Schedule

Logically link network. Minimize use of constraints. Provide arcs to major milestones of the analysis. Be cognizant of cost and risk application. Run Schedule Health check to analyze viability for analysis.



4. Integrate Risk Register

Quantify likelihood and impacts (cost and schedule). Identify links to schedule activities. Load risks into the schedule.



6. Analyze Results

Review results of analysis through scatter plot and probabilistic critical path. Review of the project drivers. Identify lead sources of cost and schedule risk.

