



ENGINEERING MISSION SUCCESS

Systems Engineering Disciplines

> Risk Management

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Risk Management: Program Supportability Management (PSM) Tool

In today's challenging acquisition environment, program and project managers need proven, reliable decision tools like PSM to ensure budget and schedule success. bd Systems' PSM Tool is a key enabler for disciplined, effective risk management.

About the bd Systems PSM Tool

The bd Systems PSM Tool provides a common form for planning activities and measuring their progress, allowing managers to detect and mitigate potential issues before they become emergencies. PSM allows managers to monitor and manage activities on the granular level in order to achieve a comprehensive and realistic outlook on overall program risk. With a flexible data tracking system and robust reporting capabilities, the PSM allows real-time management of key issues impacting any program.

PSM uses a flexible, cost-effective Microsoft Access™ interface. Back-end processes allow users to choose to store data on Access for smaller projects, or on Oracle for data security and accessibility to all authorized users across an enterprise—even at separate locations.

Comprehensive Data Tracking

Users begin by identifying key risk activities from the Work Breakdown Structure (WBS), assigning probable risk in terms of the Air Force standard 5 by 5 matrix, and listing potential mitigations. Each activity stored in PSM is measured against the 5 by 5 matrix, allowing each activity to be assigned a probability of occurrence and severity of impact to cost, schedule and/or mission performance. The PSM Tool allows users to import event items directly from Microsoft Project.

Based on a Windows Explorer-like GUI tree paradigm, the PSM Tool uses an archive to organize activities, providing a clear, flexible method for organizing the hundreds of activities within a typical space program. Multiple text and data fields for each activity support any combination for grouping or filtering.

Robust Reporting Features

PSM's suite of reporting tools allows the flexibility to manage by exception or assess each aspect of a program's activities down to the lowest levels.

One-button and custom-filtered reports allow managers to quickly access and analyze current and historical program data for efficient quarterly program status reviews or ad hoc queries. Reports include Overdue Activities Report, the Risk Mitigation Report, the Warning Report, Incomplete Event Report, and the History Log. The charting functionality allows a variety of charts, including pie, bubble, element bar, chart bar, trend, and event trend—all with drill-down functionality for examining specific target areas.

Charts and reports can be organized into named SlideShows and reviewed in order—imagine a PowerPoint slideshow, but with live data. As needed to support a question from the audience, the presenter can break from the prepared slides to dig deeper into the charting and reporting system, then return to the prepared SlideShow.

In Our Upcoming Release

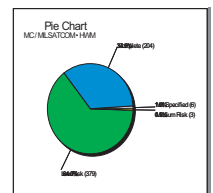
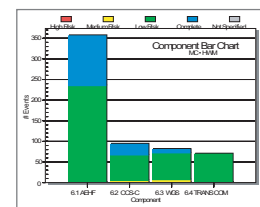
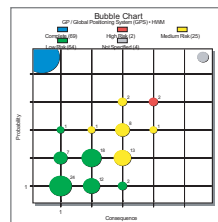
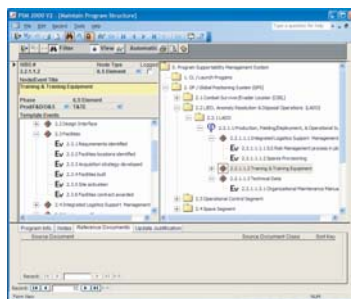
- A SlideShow expansion to support all slide types needed for typical program status review—allows PowerPoint's graphical flexibility while providing live data, charting, and reporting.
- Elements organized into a hierarchy allowing the flexibility to group ILS elements and reports or show them individually—allows the entire set of elements to be replaced for non-ILS risk management applications.

About bd Systems

bd Systems is a woman-owned small business that provides engineering and information technology services for government and private industry. Based in Torrance, California, bd Systems has over 20 operating locations nationwide.

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The easy-to-use GUI allows managers to organize risk data and rate it against the 5 by 5 Air Force standard. The robust reporting and charting tools help monitor risk hotspots for efficient mitigation.

For more information regarding PSM, please contact info@bdsys.com.

