DecisionEdge RiskEstimator Powers Pantex's Award-Worthy DIT Automation Breakthrough, Cutting Processing Time 90% and Saving $162,000 Per Submittal

Pantex replaces legacy spreadsheets and disconnected systems with a RiskEstimator-powered process that reduces Weapons Design and Cost Report preparation from up to two weeks to one day.

AMARILLO, Texas — October 30, 2026 — DecisionEdge, a software division of Integrated Management Concepts, Inc. (IMC), today announced that its RiskEstimator cost processor software is foundational to a breakthrough Data Integration Template (DIT) automation process developed at the U.S. Department of Energy's Pantex Plant. The new process has reduced DIT preparation duration and labor hours by approximately 90%, generating estimated cost savings of $162,000 per Weapons Design and Cost Report/Data Integration Template (WDCR/DIT) submittal.

The achievement is the subject of Pantex's Strategic Enhancement of Data Integration Template via EVMS Cost Processor Award of Excellence, recognizing innovation in productivity, cost savings and program management effectiveness.

Developed by Pantex's Project Performance Systems team in collaboration with its Estimating and Risk Management teams, the new process successfully replaces legacy DIT population methods dependent on manually maintained spreadsheets, Microsoft Access databases and disconnected systems. Using the integrated RiskEstimator cost processor, cross-functional teams can now generate standardized, risk-informed cost data with greater efficiency, consistency and traceability.

From Two Weeks to One Day: A Breakthrough in DIT Automation

For the Department of Energy (DOE) and National Nuclear Security Administration (NNSA), the Weapons Design and Cost Report is a critical component of the nuclear weapons acquisition process. It establishes the design definition, schedule and validated cost estimates needed to support program planning and decision-making.

Historically, preparing the required Data Integration Template involved extensive manual data entry, spreadsheet manipulation and reconciliation of information from multiple estimating, scheduling, financial and risk analysis systems. These disconnected workflows increased the potential for human error, created data inconsistencies and delayed the delivery of critical cost and schedule information.

Pantex transformed this process by making RiskEstimator the foundation of an integrated workflow that connects cost, schedule, risk and uncertainty data.

The results are significant:

- 90% reduction in duration and labor hours for WDCR/DIT preparation.
- Approximately $162,000 in estimated cost savings per program WDCR/DIT effort.
- One-day processing capability, compared with a historical one-to-two-week process.
- Reduced manual data manipulation, improving consistency and minimizing opportunities for human error.

- More time for quality control, risk analysis and strategic decision-making, rather than repetitive data preparation.

Three Pillars of Differentiation

1. Automated Integration Across Cost, Schedule and Risk Systems

RiskEstimator serves as the central integration and pricing component in Pantex's new DIT automation process. The workflow brings together information from enterprise scheduling, estimating, financial and quantitative risk analysis tools, including Oracle Primavera P6, Deltek Acumen and other project control systems.

Rather than manually transferring information between disconnected spreadsheets, cross-functional teams used a standardized process to run schedule, cost and uncertainty risk analyses, verify resource quantities, price activities, review results and generate the required DIT. This integration reduces redundant data handling while improving the consistency of cost and schedule information.

2. Standardized Data, Improved Traceability and More Reliable Forecasting

Beyond accelerating DIT preparation, the RiskEstimator-powered process enables Pantex to standardize information across multiple submissions and program scenarios. Teams can more easily compare current and historical estimates, evaluate deviations from baseline plans and analyze alternative cost and schedule outcomes.

The resulting improvements in data consistency and traceability support more reliable forecasting, better risk-informed estimates and greater confidence in program management decisions.

3. Measurable Productivity and Cost Savings

The most compelling validation of the new process is its demonstrated operational performance. Pantex's W93/Mk7 program served as the first implementation of the fully integrated process, successfully delivering WDCR/DIT submissions in February and April 2026.

By reducing preparation time from one to two weeks to approximately one day, the process achieved an estimated 90% reduction in task duration and labor hours, with savings of approximately $162,000 per WDCR/DIT submittal. Additional comparative testing demonstrated that the RiskEstimator approach produced results closely aligned with previously submitted data while significantly reducing processing time.

A Proven Success for Pantex's W93/Mk7 Program

The W93/Mk7 program provided an important real-world demonstration of the new integrated DIT automation process. Following successful implementation, Pantex established the process as its standard approach for future WDCR deliverables, with plans identified to extend its use to the W80-5 program.

The innovation was also presented at the NNSA-sponsored 2026 Cost Estimating Community of Practice (CECOP) Symposium, where representatives from Pantex, Y-12 and IMC discussed RiskEstimator's cost processing capabilities and interfaces between estimating, scheduling, risk and financial systems.

The successful implementation demonstrates how established commercial earned value management software can help federal programs modernize complex reporting workflows without relying on labor-intensive, spreadsheet-based processes.

Why It Matters Now

Federal agencies and government contractors face increasing pressure to improve cost transparency, schedule confidence, program accountability and operational efficiency. The successful implementation demonstrates how DecisionEdge's RiskEstimator software can help federal programs modernize complex reporting workflows without relying on labor-intensive, spreadsheet-based processes.

Pantex's achievement demonstrates a practical alternative: integrating existing project control information through DecisionEdges RiskEstimator cost processor to automate reporting, improve data quality and free experienced professionals to focus on higher-value analysis.

"What's significant about the Pantex achievement isn't just the 90% reduction in processing time. It's that their teams fundamentally improved how cost, schedule and risk information work together," said Mark Tillema, CEO, DecisonEdge. "By making our RiskEstimator cost processor foundational to their new workflow, Pantex has demonstrated how organizations can eliminate redundant manual processes, improve the reliability of critical program information and achieve measurable savings."

Applications Across Complex Federal and Commercial Programs

The success of Pantex's DIT automation process illustrates opportunities for organizations seeking to modernize enterprise cost estimating, earned value management and risk analysis, including:

- DOE and NNSA programs preparing WDCR/DIT submissions and integrated cost-risk estimates.
- Department of Defense program offices managing complex acquisition schedules and cost baselines.
- Aerospace and defense contractors seeking more consistent, auditable project control workflows.
- Engineering and construction organizations integrating financial, scheduling and risk information.
- Program management teams replacing spreadsheet-intensive reporting with automated, repeatable processes.

About DecisionEdge and IMC

Founded in 1995 and headquartered in Austin, Texas, Integrated Management Concepts, Inc. (IMC) provides advanced program management and analytical solutions to government and commercial clients.

Through its DecisionEdge software division, IMC has developed and deployed a modern, cloud-based Earned Value Management platform supporting enterprise-scale, EIA-748-aligned programs since 2010.

About RiskEstimator

RiskEstimator is an automated cost and risk estimation solution that transforms schedule risk outputs into fully priced estimates in minutes. By reducing touchpoints, handoffs, spreadsheet reliance, and rework, RiskEstimator improves accuracy, consistency, and speed across complex program environments while integrating seamlessly with EVMS enterprise cost engines.

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