For Immediate Addition to Current and Future Website

Independent Verification and Validation (IV&V)

Insight 1, Inc. provides IV&V services to contracting agencies as a means for assuring success in meeting the objectives of a project. As your IV&V agent, we provide an independent representation and advocacy for your Project Manager, project team and project stakeholders with the objective of exposing, managing and reducing project risk - in process - assuring successful outcome for your project. We accomplish this by providing independent and unbiased reviews, assessments and recommendations for improvement regarding the adequacy and effectiveness of the critical elements and documents of the project at appropriate stages (from requirements to implementation) of the project.

Our assessments and recommendations are documented in formal IV&V Reports by managers with extensive military development and quality management experience that are provided and/or presented at appropriate stages of the project. These services are custom planned and implemented for your project to assure that you accomplish your objectives within target cost and schedule.

What is IV&V?

Verification and validation is the process of checking that a product, *service, or system* meets specifications and that it fulfills its intended purpose.

* Verification - Verification is a *Quality Control* process that is used to evaluate whether or not a product, *service, or system* complies with regulations, specifications, or conditions imposed at the start of a development phase. *("Are you building or providing the thing right?”)*
* Validation - Validation is a *Quality Assurance* process of establishing evidence that provides a high degree of assurance that a product, service, or system accomplishes its intended requirements. This often involves acceptance of fitness for purpose with end users and other product stakeholders*. ("Are you building or providing the right thing?“)*
* Independent – Conducted by a disinterested third party
* Produces hard deliverables in the form of Reports and other documentation

Why Conduct an IV&V?

Agencies generally should consider an IV&V activity for projects when:

* Stakeholders express concern regarding project end results and/or timely delivery
* Circumstances indicate uncertainty in some project elements that could place the project in jeopardy of meeting one or more critical objectives
* The margin for error in meeting a critical mission is small

Agencies can benefit from an IV&V activity whether their mission is to manage:

* Development, Production and deployment of a Product, or
* Development and Implementation of a Service or Organization

1. The Objectives for Conducting a *Product* Development, Production and Deployment IV&V are to:

* Reduce Risk for Successfully Meeting All Specified Product Requirements
* Eliminate Waste in Production Processes by Applying Lean and Six Sigma Principles
* Provide the Opportunity to Optimize Project Performance During Acquisition, Development, Production and Deployment as well as Ongoing Operational Performance
* Assure Sound Definition and Basis for Development/Upgrade of:
  + - Standard Operating Procedures (SOPs) at the Operational Level
    - Other Required Process Documents (Standard Document Templates, Forms, Performance Measures, Standards and Scorecards)
* Provide an Additional Decision Support Resource for the Management Team

1. The Objectives for Conducting a *Service or Organization* Development and Implementation are to:

* Reduce Risk in Successfully Achieving Project Objectives
* Provide Tools to Assure that the Developing Service or Organization is Properly Align the Service or Organization with its Critical Processes in Order to:
  + - Eliminate any Process Disconnects and Overlaps (that lead to errors, delays and waste)
    - Provide a Process Basis for Evaluating Process Responsibility and Accountability (Results are determined by the quality of an organization’s processes and its ability to execute and maintain them)
* Eliminate Waste in Service Delivery or Organizational Process Performance by applying Lean and Six Sigma Principles
* Provide the Opportunity to Optimize Project Performance During Acquisition, Development and Implementation.
* Assure Sound Definition and Basis for Development/Upgrade of:
  + - Standard Operating Procedures (SOPs) at the Operational Level
    - Other Required Process Documents (Standard Document Templates, Forms, Performance Measures, Standards and Scorecards)
* Provide a Useful Functional Process Model for the Service’s or Organization’s Integrated Operation Providing a Baseline for Future Improvements.