

Independent Verification and Validation (IV&V) is a proven methodology for monitoring and evaluating all aspects of a project from inception to completion. A completely independent entity evaluates the work products being generated by the design or development team for a specific project to ensure the project delivers the expected results.

The key to achieving excellence in today's business world is to obtain a high return on investment. With an increasing reliance on IT solutions, it is imperative to ensure your project's requirements are satisfied and deliverables meet their objectives. From a business perspective, organizations must ensure the quality and security of the systems being implemented while ensuring predictable and reliable execution. Safeguards that minimize the risks of unpredictable actions, whether intentional or unintentional, should be paramount.

that team members remain on track, have fulfilled all of the stated requirements, and that the results of their efforts perform as specified. It is closely linked to other control processes, such as quality assurance, quality control, configuration management and risk management, but it does not duplicate or parallel these processes.

IV&V Integration with SDLC Processes

Ideally, IV&V is a separate, truly independent process, free of any potential biases and skewed assessments that could compromise the integrity of development reviews of a project's progress. In practice, such objectivity serves neither the client's interests nor those of the developers. Instead, the IV&V team stands as proxy to the client for the developer and as advisor to the client for the developer. In this way, the best interests of both parties are preserved and the project is protected against excesses of expectation.

Macfadden provides its clients proven IV&V techniques that ensure system development projects are properly assessed and controlled. Macfadden's

structured approach to IV&V is to examine all project documentation, review process methodologies, apply structured checking techniques of code and database designs and structures, and apply proven testing tools and procedures.

The Macfadden focus is always on providing oversight on those aspects of development that most affect the client's critical issues.

