

QUALITY ASSURANCE AND TESTING

Enterprise Requirements Management • IT Leadership • Quality Assurance & Testing • Solution Architecture & Design • Application Development & Maintenance

Did you know that...

...For most software developers, the measure of quality is not meeting customer's specifications, but achieving customer satisfaction?¹

...Perhaps the most expensive computer-related failure in history—the explosion seconds after takeoff of the Ariane 5, a \$500 million rocket built following a \$7 billion development program—was attributed to a decision to be more efficient by not unit-testing certain software components?²

The challenge: *To ensure that your testing and validation capabilities deliver high quality software and generate the desired return on investment*

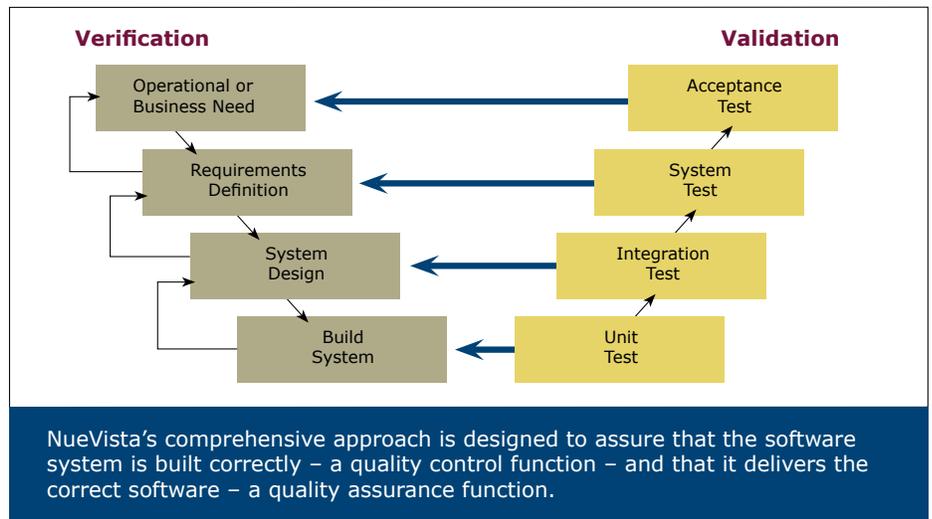
Sound familiar?

There is not enough time to test a critically needed application, so you hope it will work – but you aren't sure.

Unit-testing proves the developers' code works; however, it doesn't ensure that the code meets business requirements.

An on-going testing effort requires more personnel than your organization has available.

Testing becomes a bottleneck because your organization doesn't have a repeatable process to assure consistent results.



NueVista Group

provides a suite of expert IT consulting, support and staffing services designed to drive maximum value from technology systems, applications and strategies.

Our unique combination of background and experience—each member of our core team has more than 20 years of experience—assures our clients of exceptional value.

The benefits: *Our risk-based approach to software testing and validation ensures delivery of superior quality software faster, with less risk and at lower cost*

The NueVista Quality Assurance and Testing Practice focuses on helping you:

- Mitigate risk by establishing a plan for test coverage
- Reduce rework and its associated expenses by catching defects earlier
- Get applications into production quicker with fewer defects
- Consistently deliver better products with greater confidence by creating repeatable processes.

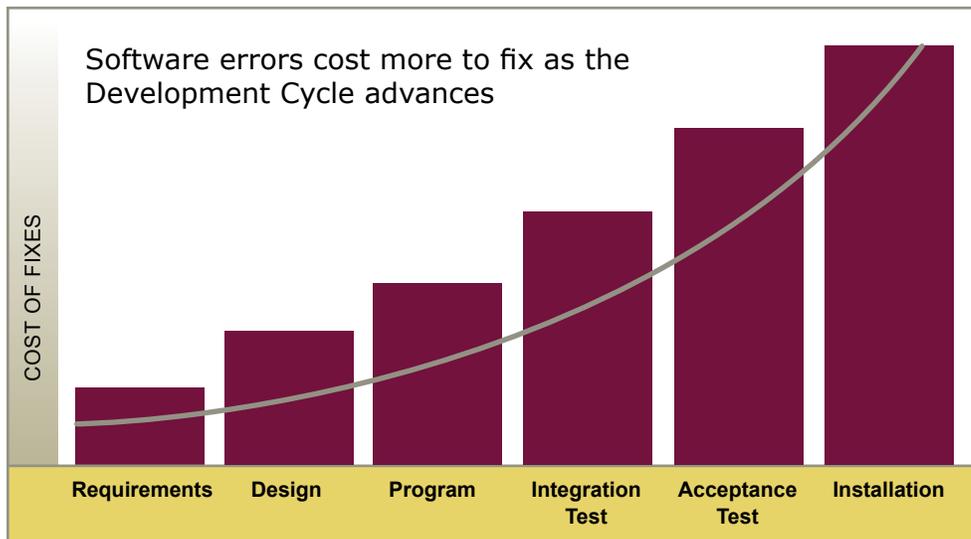
By analyzing the QA policies and processes within your testing organization, we can help you assure that quality practices are included in project standards and are implemented throughout the software life cycle. We can help you redesign your testing approach to be scalable, allowing you to establish a test coverage strategy appropriate to the business risk you want to manage. You gain a number of benefits, including a better functioning and more proactive testing organization.

1. Testing Computer Software, Cem Kaner, Jack Falk, Hung Q. Nguyen, c 1999, published by John Wiley & Sons, Inc.

2. Ariane 5 Flight 501 Failure, Report by the Inquiry Board, July 19, 1996, Prof. J.L. Lions, Chair

To start: *We gather information from and about your testing organization to learn where it is – compared to where it could be*

A NueVista Quality Assurance and Testing Assessment helps you incorporate the industry's Best Practices into your application development lifecycle, including testing, management and maintenance. Effective communication among all involved in the assessment process is essential to maximize assessment results and recommendations. We evaluate your existing quality assurance organization, in addition to its process and tools, for adherence to industry standards. We work closely with your IT Leadership to identify the quality "gates" that govern your entire development process. Our goal is to help you build quality into the application development process from start to finish, rather than testing for "bugs" at the end.



The result: *A more proactive, more efficient and more effective testing organization*

Our quantified assessment of the effectiveness of your QA organization, tools and practices includes a scorecard, documented findings and recommendations, based on the industry's recognized Best Practices. Transferring knowledge to your staff prior to the end of the assessment insures that the processes and procedures put in place can be used on continual basis by your staff. Our assessment can result in your organization:

- Introducing Risk Assessment strategies to help businesses and QA testers identify critical test conditions
- More effectively involving QA test planners and testers during the Requirements phase to make quality assurance and testing an essential and cost-effective step in product development
- Determining if automated testing tools are appropriate in your Quality Assurance program
- Defining metrics that capture the cost and effectiveness of testing and other QA practices

A NueVista Quality Assurance Assessment is designed to help you deliver a higher quality product tomorrow than you're delivering today. By mentoring your Quality Assurance organization, we can help you make enhanced quality an integral component of your culture – creating a seamless role in your development process.

The next step is yours.

For additional information about the benefits of a **Quality Assurance and Testing Assessment** within your organization, please contact us at:

630.472.6838



Quality. Experience. Integrity.

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