

TESTSTREAM® DONOR VALIDATION SUITE



Industry-leading coverage and ease of validation testing.

Vedant brings together donor-specific TestStream technology, revolutionary Scenario Definitions solution, and a library of self-configuring workflows to allow for otherwise impossible thoroughness of testing, ease and quickness of validation, and assurance of patient safety.

The validation workflow libraries automatically adapt to enhancements and upgrades with your donor system, and are developed by blood bank specialists highly experienced in FDA and AABB procedures.

No more worries with consultant-based validation delays and reoccurring costs - full validation cycles are executed with a few simple clicks of the mouse. In addition, TestStream's industry-best testing capabilities provide regression testing whenever you wish.

The TestStream Donor Suite delivers the industry's most thorough validation testing through a combination of powerful technology and seasoned blood bank professionals - freeing you to focus on results and improvement. Finally, there is a solution that provides validation ingenuity to match with the ever-growing complexity of donor applications.

TESTSTREAM SCENARIO DEFINITIONS

Infinitely variable workflow configurations provide for simple validation with any system configuration.

TestStream's solution suite for validating donor systems is configured specifically for unparalleled ease, coverage, speed of validation testing and complete risk management of issues identified in the system. The suite includes the following:

SCENARIO DEFINITION SYSTEM

The TestStream Scenario Definition system allows flexible process flows to be built which replicate actual processes in the donor system. The scenario system provides access to the activities that can be performed within the donor system, providing simple drag-and-drop technology to build sophisticated validation sequences.

SCENARIO VALIDATION LIBRARY

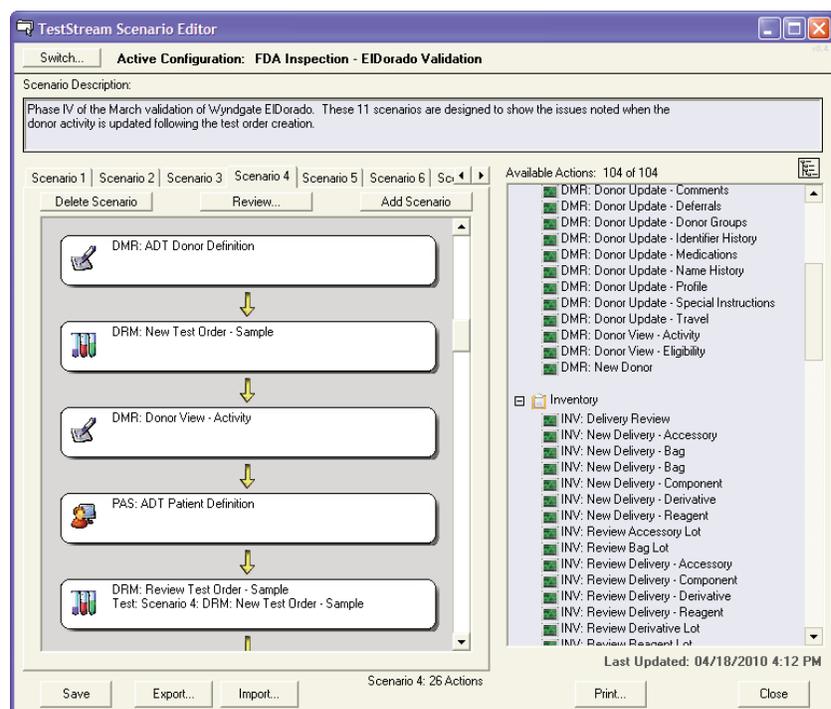
Technology is only part of the solution - dozens of process flows are built into the Scenario Definitions System. These flows are designed to validate the donor

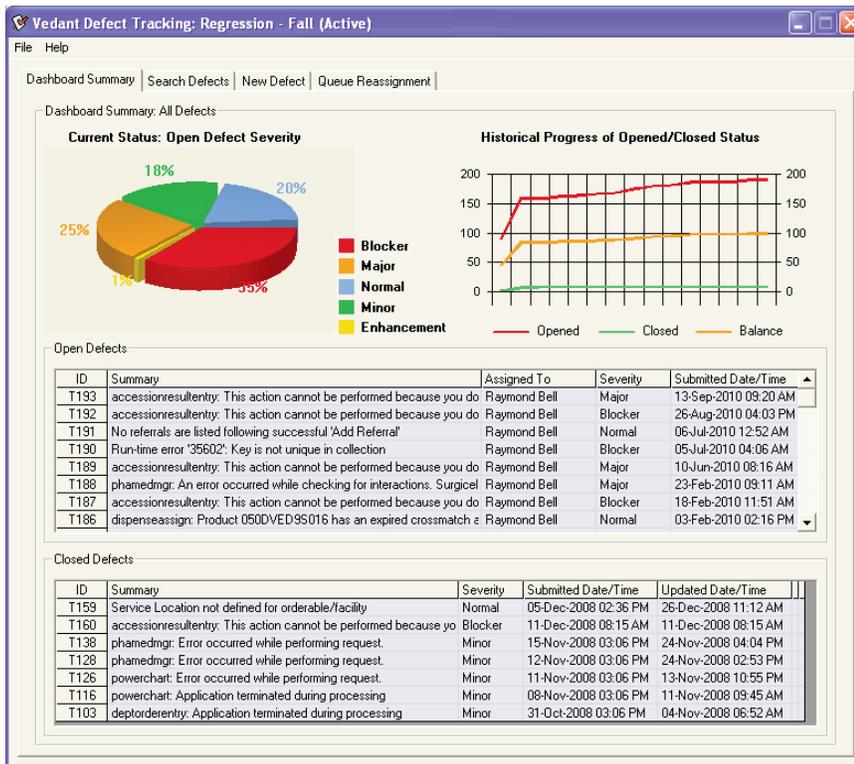
system through standard process flows that cover donor and patient operations, visit processing, unit management, batch processing, and component verification. The process flows are executed one-by-one to verify all operations within the donor system and include extensive documentation and true negative testing validation. Any supplemental flows may be added following a system review as these areas do not follow rigid workflow rules.

RISK-BASED QUALITY GOVERNANCE

The objective of any healthcare system testing is to ensure the highest possible levels of patient care by addressing any application/system errors that threaten successful achievement of this objective.

TestStream's Risk-based Quality Governance module provides a straightforward and comprehensive means for testing and error remediation to be prioritized according to the implications for patient safety. TestStream enables thor-





oughness of testing that can't be matched by manual testing or other test tools. The technology provides unparalleled insight into system error level and overall integrity, allowing a focus directly on minimization of system errors and reduction of patient risk.

Testing cycle activity can be prioritized based on level of risk and protocols established for re-testing to verify error remediation. As it is impossible to prioritize testing cycle activity without first appreciating error and associated patient-safety system-risk topography, testing activity (now re-testing for error remediation verification) can be aligned specifically to maximize patient safety:

1. Every application/system error isolated through TestStream testing is categorized according to user-configurable risks associated with patient safety. TestStream recognizes FDA and other regulatory bodies' sensitivities to patient risk according to system treatment interaction level. This enables comprehensive risk qualification against enterprise-wide deployment safety standards.

2. Healthcare application go-lives, whether for new builds or for more routine migration/patch practices, can be fully qualified against enterprise healthcare production system safety standards.
3. Testing schedules, deployment timelines and personnel needs, as well as vendor remediation collaboration, can be managed with full awareness of both the scale and risk of the application problems at hand.
4. Integrity and functional performance of healthcare applications can always be fully understood, allowing maximization of ROI against large healthcare system investments.

TestStream assesses each error situation within multiple related test runs, providing instant risk assessment.

□ DEFECT TRACKING

There are a significant number of operative elements when testing any healthcare system, including test configuration, test execution, and error isolation. To assure that the highest possible quality patient

care is always delivered, TestStream provides technology for each test element, allowing system functionality to be verified, validated, results analyzed, and risks assessed based upon test results.

Vedant's Defect Tracking summarizes and tracks issues found from testing to resolution, and ensures that no risk-inducing error issues are ever lost.

The Defect Tracking system links to TestStream test result sets so that any issues found within a TestStream test can be readily logged into the defect system. The outcome of any supplemental manual testing can also be submitted to the same system to record and track all testing in one defect-tracking mechanism.

By tracking defects within specified projects or test cycles, the system can help determine the current status of testing and also allow historical data to be reviewed from any previous test cycle to provide defect trend analysis capabilities.

□ VALIDATION OPTIMIZED

Vedant's TestStream Validation Suite provides the most comprehensive and patient-safe validation methodology:

- Robust documentation technologies
- Screen shots of every workflow step, providing proof of testing and assistance in error remediation
- Full electronic signature capabilities
- Database and test result data compares:
 - o Errors between test runs
 - o Migration between Domains
- Test-case cross reference for Pass/Fail reports
- Enterprise-wide result set access and management

Vedant Incorporated

26 Parker Street
Newburyport, MA 01950-4010
T: 1-800-714-4900
F: 1-978-462-4755

www.vedanthhealth.com

Find out more about TestStream today. Call Vedant at 1-800-714-4900 or log on to www.vedanthhealth.com.

TestStream is a registered trademark of Vedant Incorporated. Other product or company names mentioned herein may be trademarks and/or service marks of their respective owners.

Copyright © 2011 Vedant Incorporated.