

## VistA Laboratory Information System Replacement (EA-18)

### *Authoritative Source*

- BY-2007 IT Project Portfolio

### *Stakeholder*

- All veterans, their dependents, and their survivors
- DoD/VA Health Executive Council
- VHA Business Line Managers and Health Care Providers

### *Related Segment Architectures*

- “Proposed” Health Business Segment

### *Requirement Description*

This project replaces the Legacy Laboratory Service's information technology system and its associated business processes. It will address current deficiencies and meet future needs. The Laboratory (Pathology and Laboratory Medicine) Service provides the principal medical diagnostic laboratory testing and transfusion functions in all VA medical centers and sets the standards for quality, testing methods, and procedures for clinical laboratory testing in the medical centers. The Laboratory Service relies heavily on information technology to support all phases of its activities, from specimen collection to dissemination of results. Approximately 170 million laboratory tests are conducted annually.

### *Recommended Solution*

At milestone-0, Solutions have not been developed or proposed.

### *EA Investment Scoring*

The following table provides the EA evaluation score for BY-2008 (this is the project's most recent Exhibit-300 budget request). Scores are provided for business, data and implementation issues and for an overall project average. The Exhibit-300 EA evaluation procedure is defined within the Enterprise Architecture Portal "Procedures Tab"; all scoring is based on a scale from 0 through 5.

| VA EA Evaluation |      |                |             |
|------------------|------|----------------|-------------|
| Business         | Data | Implementation | Average     |
| 5.00             | 4.40 | 4.60           | <b>4.67</b> |

### *Project Value Proposition, Performance Measures and Measured Results*

The following table identifies the VA and PMA business objectives that this project will satisfy, along with the performance metrics with which project success will be evaluated. For projects that are mature enough to have produced measured results, those results are also provided.

| Project Value Proposition  |   |   |   |
|--|---|---|---|
| Support for PMA Initiatives<br>1.A.13.a & 1.A.13.b   | Support for VA Strategic Goals<br>1.A.29  | Project Metrics<br>1.D.1  | Project Results/Outcomes<br>1.D.1   |
| <p><b>Human Capital</b><br/>-----Improved business processes optimize laboratory resource time to support PMA Human capital initiative</p> <p><b>Financial Performance</b><br/>----- Financial performance improved through cost-effectiveness and enhanced operational efficiency</p> <p><b>Expanded E-Government</b><br/>-----Coordination of systems &amp; expanded E-Gov supported by standardized and shared test results between VA and DoD</p> <p><b>Competitive Sourcing</b><br/>-----Competitive sourcing supported by searching for capable vendors and performance-based statements of work</p> <p><b>Coordination of VA &amp; DoD Programs and Systems</b><br/>-----Is also supported by standardized and shared test results between VA and DoD</p> | <p><b>Honor &amp; Memorialize</b><br/>Provide a user-friendly and cost-efficient system that will more support all phases of the Laboratory Service, providing high-quality, reliable, accessible, timely and efficient health care that maximizes the health and functional status for all enrolled veterans.</p> <p><b>Ensure Smooth Transition</b><br/>The re-engineered laboratory system will improve new veterans' access to and awareness of information on VA health care benefits as well as facilitating the transfer of relevant information from DoD laboratory systems. .</p> <p><b>Quality of Life</b><br/>The system will provide improved and easier access to medical knowledge, expertise and care and therefore improve the quality of life and the economic status of veterans.</p> <p><b>Public Health &amp; Socioeconomic Wellbeing</b><br/>Standardization of information exchange between VISNs is needed to ensure all facilities have systems and processes in place to deal effectively with emergencies or disasters.</p> | <p><b>Measurement-1 Indicator</b><br/>Improve accuracy of service or product delivered through auto-verification</p> <p><b>Measurement-2 Indicator</b><br/>Increase third-party revenue collection through the creation of a standardized test file database containing CPT codes and associated costs.</p> <p><b>Measurement-3 Indicator</b><br/>Increase the number of systems that are interoperable with Internal and external customers.</p> <p><b>Measurement-4 Indicator</b><br/>Decrease technician time spent on receiving, processing and reporting test results.</p> | <p><b>Measurement-1 Results</b><br/>Results will be known by Q2FY2011.</p> <p><b>Measurement-2 Results</b><br/>Results will be known by Q2FY2011.</p> <p><b>Measurement-3 Results</b><br/>Results will be known by Q2FY2011.</p> <p><b>Measurement-4 Results</b><br/>Results will be known by Q2FY2011.</p> |

### ***Enterprise Impact***

Replaces antiquated subsystems within the Vista Health Care System Complex, introducing current technology. Employs the HDR sharable patient medical record which is accessible across all VA medical facilities without data duplication

### ***Project Status***

Funded from BY-2004 through BY-2007

Project currently at Milestone-1