

IT Program Assessment

TSA – Transportation Threat Assessment and Credentialing (TTAC) Infrastructure Modernization Program (TIM)

Review

The DHS CIO conducted a comprehensive program review of the TSA - TTAC Infrastructure Modernization Program (TIM) program during September 2011. Program observations include the following:

The purpose of the TIM Program is to provide a robust, integrated enrollment, vetting and credentialing system capable of reliably providing these services to TSA while meeting the anticipated rate of growth of the transportation worker population. The current as-is system architecture consists of roughly nine programs exchanging data via multiple data interfaces with many points of failure. TIM will provide SOA services and streamlined interfaces to enhance data throughput, system reliability, and expanded capabilities to meet the growing population.

There are four significant risks identified:

- If TIM experiences migration issues as the first DHS major mission program to use DHS Cloud Services offered through the Data Centers then the development and deployment schedule could experience delays
- If there is not a concerted effort between DHS, TSA and all users to communicate their needs and concerns with reference to data governance, security governance, and policy then the data center migration may be adversely impacted.
- If the TIM enrollment interface requirements are not aligned with the Universal Enrollment system design, then the program will incur additional costs and delays
- If the pending TIM Design and Development (D&D) contract has a lengthy protest then the TIM schedule will be severely impacted
- If the program schedule is too aggressive then there is the possibility of missing key milestones

Mitigation Strategy

TTAC (TIM), TSA, and DHS Security groups are currently coordinating on requirements and approach. Programmatic issues will be raised and vetted through the Executive Steering Committee (ESC) as required. IPTs have been established between TSA, DHS, and TTAC/TIM for the purpose of mitigating risk. The program requires close coordination with the Data Centers to ensure that a development environment will be available when the Development contractor arrives in November 2011. In addition, TIM requires close coordination and support from DHS and TSA to ensure that the Cloud

Service pre-production and production environments are compliant with TSA and DHS Cloud Services security requirements. TIM must coordinate all enrollment aspects with the Universal Rule staff to ensure seamless interaction and data flow. The TIM Program Office has and will continue to work closely with the contracting officer and follow all FAR rules in awarding the Design and Development (D&D) contract to minimize the possibility of protests that adversely affect program schedule. The TIM PMO will mitigate schedule risk through phased deployment and continual monitoring of progress to keep the schedule on track.

Assessment

TIM PMO leadership needs to work very closely with the Screening Coordination Office to ensure the architecture and design of TIM leverages the use of other DHS Service Oriented Architecture-based services. TIM has clearly engaged effectively with legacy programs to incorporate their business and technology requirements. TIM will utilize the Data Center Cloud therefore careful management and coordination will be required. The program is faced with a phased development schedule and will be the first mission program to use DHS Cloud Services. The CIO assesses the TIM program as Level 3 – Medium Risk.

Score: 3