



IT Program Assessment

DNDO- Joint Analysis Center Collaborative Information System (JACCIS)

Review

The DHS Chief Information Officer (CIO) conducted a comprehensive review of the Domestic Nuclear Detection Office (DNDO) Joint Analysis Center Collaborative Information System (JACCIS) program on May 11, 2010. Established under the DNDO to meet Presidential objectives for Radiological and Nuclear (RAD/NUC) defense (NSPD-43/HSPD-14), JACCIS is a Service Oriented Architecture (SOA) construct that provides Global Nuclear Detection Architecture (GNDA) situational awareness and facilitates an appropriate coordinated response. JACCIS is a monitored portal that receives feeds from responder resources deployed at the Federal, State, Local, Tribal and international levels and then facilitates the adjudication and coordination of an appropriate response. The JACCIS Proof of Concept was approved and initiated in 2006 and the decision to build was made in 2008. Currently, JACCIS is in the Development and Test phase of its lifecycle.

Findings during the review are as follows:

- The program funding comes out of the DNDO's operational budget, not direct appropriations.
- The Governance board scoped down initial development efforts in the first 3 years until Proof of Concept was achieved. Funding levels increased in Year 3 of the project.
- The Development, Operational and User Acceptance testing approach for this system has slowed program development and deployment. Testing procedures do not appear to be best practice for a project of this nature.
- JACCIS' Certification and Accreditation (C&A) is now pending.
- JACCIS is a fledgling Common Operating Picture (COP) for a very mission specific operating element. It was stated that the system can be viewed as akin to a "TECS-based portal."
- While the information exchange and response times are relatively rapid based on Management estimates, the information exchange, analysis and responses are highly manual processes.
- DNDO is doing the adaptation of State and Local IT systems into the JACCIS portal.
- The sensors in use are 3rd party sensors. DNDO provides the sensors to Feds, not State & local.
- JACCIS is the first program to place the Google Search capability in the Technical Reference Model.
- JACCIS doesn't leverage the current generation of the Homeland Secure Information Network (HSIN).
- There are no bi-directional SLAs for this system.
- JACCIS was created before the NIEM standard was applicable
- JACCIS, currently hosted at DC2, will continue operations there until the Initial Operating Capability is achieved, then migration to HSIN will be considered,

Assessment

It has been requested that the JACCIS Program Management Office (PMO) consult the DHS Homeland Secure Information Network (HSIN) team to discuss potential portal consolidation/migration plans. It was also noted that the Program Privacy Impact Assessment (PIA) is outstanding and awaiting Departmental approval. The program appears to be well-managed and is operating effectively. The testing approach for this particular portal; however, should be re-examined by DNDO's Systems Engineering group who sets the DNDO standards for testing. The current score of a "3" will improve with adherence to guidance provided during the review.

Score: 3