Iowa Department of Administrative Services

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DAS

Chester J. Culver, Governor
Patty Judge, Lt. Governor

Ray Walton, Director

IOWAccess Council
Design/Implementation Phase Funding Request
March 10, 2010

Amount Requested: $80,000 – $30,000 for Design, $50,000 for Implementation

Project Name: CyberSecurity Education and Awareness Training - 10289
Project Sponsor: Jeff Franklin – Chief Information Security Officer
Project Manager: Darrell Fremont – DAS-ITE

Project Summary
Security awareness training delivered via a web-based delivery system to provide organizations and individuals the tools they need to prevent security incidents and identity theft. Cyber security incidents, both accidental and intentional, are a growing problem. State and local governments, as well the public, are at risk. A 2006 Federal Trade Commission study estimated that identity theft affected 3.7 % of the population. If that trend continues over 100,000 Iowans could become victims of identity theft each year. In 2009, identity theft cost per individual was $496 which equates to a 49.6 million dollar cost to Iowans.

Identity theft resulting from a security incident also has non-financial effects such as:
- Damage to credit history,
- Harassment by collection agents
- Denial of credit

The costs to organizations are even higher. According to the 4th annual data breach study performed by the Ponemon institute, security incidents for organizations are estimated at $202 per stolen record. Since 2005, over 250 million records have been reported stolen.

The goal of this proposal is to promote information security awareness in state and local government as well as the general public. Schools, cities and counties are often not able to employ full time security staff or provide security awareness training. Security awareness training delivered via a web-based delivery system will provide organizations and individuals the tools they need to prevent security incidents and identity theft.

The funding request is for the development, deployment, testing and training of the web materials for the course modules and the learning reinforcement questions/scoring for web-based delivery via Moodle. Moodle (Modular Object-Oriented Dynamic Learning Environment) is an Open Source Course Management System (CMS), also known as a Learning Management System (LMS) or a Virtual Learning Environment (VLE). Moodle was selected based on the outcomes of the Scope phase of this project.

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Design Phase Activities and Deliverables include:

Enterprise A&A for LDAP user authentication and password retrieval – 20 hrs

Complete course module content – 40 hrs

Develop Course Module Mock Ups [40 to 50 est.] – 180 hrs

Complete MOODLE configuration and set up – 20 hrs

Implementation Phase Activities and Deliverables include:

Complete course module questions and pass/fail criteria – 40 hrs

Code Course Module Mock Up Views – 180 hrs

Configure Course Modules on MOODLE site – 20 hrs

Testing with selected agencies and beta testers – 100 hrs

Create/develop Training and Marketing materials – 40 hrs

Training of HR representatives of City, County, School and State agencies – 40 hrs

Prepare Production environment – 10 hrs

Prepare media materials

Launch application hold media event