Title: Web Technology Security Standard	Approval Date: 10/29/2010
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Oversight Executive: VP for Information Technology & CIO	Review Date:

1. Purpose

Web technologies allow the university community to become more productive and collaborative while allowing for more flexibility and decentralization. At the same time, cyber threats on web technologies now outnumber the more traditional operating system threats.

The purpose of this standard is to establish the minimum security requirements for web technologies at Radford University.

This standard applies to web technologies that:

  • Are owned or managed by the university;
  • Are connected to the university network;
  • Connect to another university technology resource or service;
  • Store or transmit university information.

This standard applies whether the web technologies are remote or campus-based.

2. Standard

Departments and individual users must take appropriate safe-guards to minimize security vulnerabilities that may exist on departmental and individual web technologies covered by this standard. The safe-guards taken must include the following:

Development and Design

The Open Web Application Security Project (OWASP) identifies ten vulnerabilities in the OWASP Top Ten Project. University web technologies must be developed and designed to address the vulnerabilities listed in the OWASP Top Ten Project.

Configuration

Web technologies must be configured to adhere to Radford University Policy 5214-s: Minimum System Configuration

Maintenance, Updates, and Security Patching

>Web technologies developed by vendors or third-party developers unresponsive to patching security vulnerabilities must be replaced with a secure alternative or additional controls designed to mitigate the security vulnerabilities must be implemented.

3. <u>Procedures</u>

The University ISO has the authority to perform vulnerability assessments against University web technologies at any time. If the web technology fails the assessment, action will be taken to bring the web technology in-line with this standard's requirements

4. <u>Definitions</u>

Web Technologies – web servers, web programing languages, or web services.

5. <u>Approvals and Revisions</u>

Approved by: VP for Information Technology & CIO, Danny Kemp