NIST HANDBOOK 150-17 Annex E CHECKLIST

Security Content Automation Protocol Testing

Instructions to the Assessor: This checklist addresses specific accreditation requirements prescribed in NIST Handbook 150-17, *Cryptographic and Security Testing*, for the Security Content Automation Protocol Testing test methods. It is used in conjunction with the NIST Handbook 150-17 Checklist, which covers the requirements in clauses 4 and 5 of the program handbook.

Place an “X” beside any of the following items that represent a nonconformity. Place a “C” beside each item on which you are commenting for other reasons. Record the item number and your nonconformity explanation and/or comments on the appropriate comment sheet(s). Write "OK" beside all other items you observed or verified as compliant at the laboratory.

Note: The numbering of the checklist items correlates to the numbering scheme in NIST Handbook 150-17, Annex E, Section E.5.

E.5 Additional technical requirements for accreditation

E.5.2 Additional personnel requirements

___ The laboratory shall demonstrate, in addition to the technical expertise required by each test method as described below, that their personnel has basic knolwedge of cryptographic and security practice for information systems and that the laboratory is aware of the govering standards and publications, especially the ones listed in this handbook.

The laboratory’s personnel shall have experience, training, basic knowledge, or familiarity in:

___ a) vulnerability and configuration management (NIST SP 800-40 v2 or later and NIST SP 800-100);

___ b) XML and how to read XML documents (W3C Extensible Markup Language (XML) 1.1 (Second Edition) or later);

___ c) all SCAP standards (CVE, CCE, CPE, CVSS, XCCDF, OVAL including NIST SP 800-126) – latest versions (for more information see http://scap.nist.gov); and

___ d) the Windows XP, Windows Vista, and Windows 7 operating systems.

E.5.3 Additional accomodation and environmental conditions

___ The laboratory shall have appropriate areas, including ventilation and safety, for the use of test methods using chemical solvents and heating/cooling apparatus**.**

E.5.5 Additional equipment requirements

___ The laboratory shall be equipped with the following minimum hardware, software, and operating system requirements:

a) Hardware:

___ 1) Any IT system capable of properly executing Windows XP SP 2/3, Windows Vista SP2, Windows 7 and a domain controller such as Windows Server.

b) Software:

___ 1) Windows XP SP 2/3 and Windows Vista SP2 running on the IT system.
   i. For FDCC and USGCB testing, the operating system must be configured to the correspond.
   ii. The OS must have Internet Explorer version 7 installed for Windows XP/Vista, and Internet Explorer version 8 for Windows 7.
   iii. The OS must be able to be joined to a test domain;

___ 2) XML schema validation tool;

___ 3) SCAP Reference Implementation - Requires Java Runtime Environment (JRE) version 1.5 or later;

___ 4) XML viewer;

___ 5) Access to the official NIST CVSS calculator, located at http://nvd.nist.gov/cvss.cfm?calculator&version=2.; and

___ 6) Access to the National Vulnerability Database at http://nvd.nist.gov.

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COMMENTS AND NONCONFORMITIES

Instructions to the Assessor: Use this sheet to document comments and nonconformities. For each, identify the appropriate item number from the checklist. Identify each comment with a "C" and each nonconformity with an "X." If additional space is needed, make copies of this page or use additional blank sheets.

Item No.	*C or X*	*Comments and/or Nonconformities*