| **assessment case** | | |
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| ASSESSMENT – Base Control, Part 1 of 1 | | |
| Assessment Information from Special Publication 800-53A Rev. 1 (June 2010) | | |
| **SC-20** | SECURE NAME / ADDRESS RESOLUTION SERVICE (AUTHORITATIVE SOURCE) | |
| **SC-20.1**  **SC-20.1.1** | **ASSESSMENT OBJECTIVE:**  *Determine if the information system provides additional data origin and integrity artifacts along with the authoritative data the system returns in response to name/address resolution queries.*  **POTENTIAL ASSESSMENT METHODS AND OBJECTS:**  **Examine**: [*select from:* System and communications protection policy; procedures addressing secure name/address resolution service (authoritative source); information system design documentation; information system configuration settings and associated documentation; other relevant documents or records].  **Test**: [*select from:* Automated mechanisms implementing secure name/address resolution service (authoritative source)]. | |
| **Additional Assessment Case Information** | | |
|  | | **POTENTIAL ASSESSMENT SEQUENCING:**  precursor controls: None  concurrent controls: CM-6, SI-21, SI-22  successor controls: None |
| **Action Step** | | **Potential Assessor Evidence Gathering Actions**  **\*\*See “**[**Assessment Case Overview**](http://csrc.nist.gov/groups/SMA/fisma/assessment-cases-overview.html)**” for selecting, tailoring and executing action steps\*\*** |
|  | | *\*\*Assessment Case Assessor Note:* More convincing evidence (i.e., greater assurance) of correct implementation and operating as intended can be obtained through the assessment case actions by:   1. **Replacing bracketed values in action gathering statements to apply greater rigor in the assessment** (e.g, . replacing [“*reviewing*”] with “*studying*” or “*analyzing*”; replacing [“*observing*”] with “*inspecting*” or “*analyzing*”; replacing [“*basic*”] with “*focused*” or “*comprehensive*”); 2. **Replacing bracketed values in action gathering statements to apply greater sample coverage in the assessment** (e.g, . replacing [“*basic”*] sample with “*focused*” or “*sufficiently large”* sample); 3. **Defining additional action steps to the list of action steps suggested herein that exercise additional test methods** (i.e., Examine, Interview or Test) on additional assessment objects. |
| **SC-20.1.1.1** | | **Examine** security plan, information system design documentation, or other relevant documents; [*reviewing*] for the automated mechanisms and their configuration settings to be employed to provide additional data origin and integrity artifacts along with the authoritative data the system returns in response to name/address resolution queries. |
| **SC-20.1.1.2** | | **Examine** documentation describing the current configuration settings for anagreed-upon [*basic*] sample of the automated mechanisms identified in SC-20.1.1.1; [*reviewing*] for evidence that these mechanisms are configured as identified in SC-20.1.1.1. |
| **SC-20.1.1.3** | | **Test** an agreed-upon [*basic*]sample of the automated mechanisms and their configuration settings identified in SC-20.1.1.1; conducting [*basic*] testing for evidence that these mechanisms are operating as intended. |
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| **ASSESSMENT – Control Enhancement 1** | |
| **Assessment Information from Special Publication 800-53A Rev. 1 (June 2010)** | |
| **SC-20(1)** | SECURE NAME / ADDRESS RESOLUTION SERVICE (AUTHORITATIVE SOURCE) |
| **SC-20(1).1**  **SC-20(1).1.1**  **SC-20(1).1.2** | **ASSESSMENT OBJECTIVE:**  *Determine if*   1. *the information system, when operating as part of a distributed, hierarchical namespace, provides the means to indicate the security status of child subspaces; and* 2. *the information system, when operating as part of a distributed, hierarchical namespace, enable verification of a chain of trust among parent and child domains (if the child supports secure resolution services).*   **POTENTIAL ASSESSMENT METHODS AND OBJECTS:**  **Examine**: [*select from:* System and communications protection policy; procedures addressing secure name/address resolution service (authoritative source); information system design documentation; information system configuration settings and associated documentation; other relevant documents or records].  **Test**: [*select from:* Automated mechanisms implementing child subspace security status indicators and chain of trust verification for resolution services]. |
| **Additional Assessment Case Information** | |
|  | **POTENTIAL ASSESSMENT SEQUENCING:**  precursor controls: None  concurrent controls: CM-6, SI-21, SI-22  successor controls: None |
| **Action Step** | **Potential Assessor Evidence Gathering Actions** |
| **SC-20(1).1.1.1** | **Examine** security plan, information system design documentation, or other relevant documents; [*reviewing*] for the automated mechanisms and their configuration settings to be employed to indicate the security status of child subspaces, when operating as part of a distributed, hierarchical namespace. |
| **SC-20(1).1.1.2** | **Examine** documentation describing the current configuration settings for anagreed-upon [*basic*] sample of the automated mechanisms identified in SC-20(1).1.1.1; [*reviewing*] for evidence that these mechanisms are configured as identified in SC-20(1).1.1.1. |
| **SC-20(1).1.1.3** | **Test** an agreed-upon [*basic*]sample of the automated mechanisms and their configuration settings identified in SC-20(1).1.1.1; conducting [*basic*] testing for evidence that these mechanisms are operating as intended. |
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| **SC-20(1).1.2.1** | **Examine** security plan, information system design documentation, or other relevant documents; [*reviewing*] for the automated mechanisms and their configuration settings to be employed to enable verification of a chain of trust among parent and child domains (if the child supports secure resolution services), when operating as part of a distributed, hierarchical namespace. |
| **SC-20(1).1.2.2** | **Examine** documentation describing the current configuration settings for anagreed-upon [*basic*] sample of the automated mechanisms identified in SC-20(1).1.2.1; [*reviewing*] for evidence that these mechanisms are configured as identified in SC-20(1).1.2.1. |
| **SC-20(1).1.2.3** | **Test** an agreed-upon [*basic*]sample of automated mechanisms and their configuration settings identified in SC-20(1).1.2.1; conducting [*basic*] testing for evidence that these mechanisms are operating as intended. |