| **assessment case** | | |
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| ASSESSMENT – Base Control, Part 1 of 1 | | |
| Assessment Information from Special Publication 800-53A Rev. 1 (June 2010) | | |
| **PE-15** | WATER DAMAGE PROTECTION | |
| **PE-15.1**  **PE-15.1.1**  **PE-15.1.2** | **ASSESSMENT OBJECTIVE:**  *Determine if:*   1. *the organization protects the information system from damage resulting from water leakage by providing master shutoff valves that are accessible and working properly; and* 2. *key personnel within the organization have knowledge of the master water shutoff valves.*   **POTENTIAL ASSESSMENT METHODS AND OBJECTS:**  **Examine**: [*select from:* Physical and environmental protection policy; procedures addressing water damage protection; facility housing the information system; master shutoff valves; list of key personnel with knowledge of location and activation procedures for master shutoff valves for the plumbing system; master shutoff valve documentation; other relevant documents or records].  **Interview**: [*select from:* Organization personnel with physical and environmental protection responsibilities].  **Test**: [*select from:* Master water-shutoff valves; process for activating master water-shutoff]. | |
| **Additional Assessment Case Information** | | |
|  | | **POTENTIAL ASSESSMENT SEQUENCING:**  precursor controls: None  concurrent controls: None  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. |
| **PE-15.1.1.1** | | **Examine** physical and environmental protection policy, procedures addressing water damage protection, security plan, master water shutoff valve documentation, or other relevant documents; [*reviewing*] for the master shutoff valves to be provided by the organization to protect the information system from damage resulting from water leakage, and for the measures to be employed to ensure these valves are accessible and working properly. |
| **PE-15.1.1.2** | | **Examine** an agreed-upon [*basic*] sample of the master water shutoff valves identified in PE-15.1.1.1; [*observing*] for evidence that the measures identified in PE-15.1.1.1 are being applied to ensure the valves are accessible. |
| **PE-15.1.1.3** | | **Examine** an agreed-upon [*basic*] sample of test records for the master water shutoff valves identified in PE-15.1.1.1; [*reviewing*] for evidence that the measures identified in PE-15.1.1.1 are being applied to ensure the valves are working properly. |
| **PE-15.1.1.4** | | **Test** an agreed-upon [*basic*] sample of the master water shutoff valves identified in PE-15.1.1.1; conducting [*basic*] testing for further evidence that the valves are accessible and working properly.  Note to assessor: This assessor action is conducted when insufficient evidence is obtained from assessor action PE-15.1.1.3. As with testing in general, this test should be coordinated with organizational stakeholders to ensure that no unintended consequences occur. |
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| **PE-15.1.2.1** | | **Examine** physical and environmental protection policy, procedures addressing water damage protection, security plan, or other relevant documents; [*reviewing*] for the key personnel who have knowledge of the master water shutoff valves. |
| **PE-15.1.2.2** | | **Interview** an agreed-upon [*basic*] sample of the key personnel identified in PE-15.1.2.1; conducting [*basic*] discussions for evidence of their knowledge of the master water shutoff valves. |
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| **ASSESSMENT – Control Enhancement 1** | | |
| **Assessment Information from Special Publication 800-53A Rev. 1 (June 2010)** | | |
| **PE-15(1)** | | WATER DAMAGE PROTECTION |
| **PE-15(1).1**  **PE-15(1).1.1** | | **ASSESSMENT OBJECTIVE:**  *Determine if the organization employs mechanisms that, without the need for manual intervention, protect the information system from water damage in the event of a water leak.*  **POTENTIAL ASSESSMENT METHODS AND OBJECTS:**  **Examine**: [*select from:* Physical and environmental protection policy; procedures addressing water damage protection; facility housing the information system; automated mechanisms for water shutoff valves; other relevant documents or records].  **Test**: [*select from:* Automated mechanisms implementing master water shutoff valve activation]. |
| **Additional Assessment Case Information** | | |
|  | | **POTENTIAL ASSESSMENT SEQUENCING:**  precursor controls: None  concurrent controls: None  successor controls: None |
| **Action Step** | | **Potential Assessor Evidence Gathering Actions** |
| **PE-15(1).1.1.1** | | **Examine** security plan, information system design documentation, master water shutoff valve activation documentation, or other relevant documents; [*reviewing*] for the mechanisms and associated configuration settings to be employed to protect (without the need for manual intervention) the information system from water damage in the event of a water leak. |
| **PE-15(1).1.1.2** | | **Examine** documentation describing the current configuration settings for anagreed-upon [*basic*] sample of the mechanisms identified in PE-15(1).1.1.1; [*reviewing*] for evidence that these mechanisms are configured as identified in PE-15(1).1.1.1. |
| **PE-15(1).1.1.3** | | **Test** an agreed-upon [*basic*]sample of the mechanisms and associated configuration settings identified in PE-15(1).1.1.1; conducting [*basic*] testing for evidence that these mechanisms are operating as intended. |