Summary of Changes: NIST SP 800-53 Release 5.2.0

NIST Special Publication (SP) 800-53 Release 5.2.0, *Security and Privacy Controls for Information Systems and Organizations*, is available. This revision focuses on improving the security and reliability of software updates and patches in response to Executive Order 14306 on strengthening the Nation's cybersecurity.

SP 800-53 Release 5.2.0 addresses multiple aspects of the software development and deployment process, including software and system resiliency by design, developer testing, the deployment and management of updates, and software integrity and validation. This update also revises the discussion sections of some existing controls to provide additional scoping and implementation examples. A detailed list of changes is included below in Table 1.

NIST SP 800-53A Release 5.2.0, *Assessing Security and Privacy Controls in Information Systems and Organizations,* includes updates to assessment procedures for new or revised control and control requirements. NIST SP 800-53B Release 5.2.0, *Control Baselines for Information Systems and Organizations,* has no changes; the version number was updated for consistency with SP 800-53 and SP 800-53A.

Table 1. Changes in NIST SP 800-53 Release 5.2.0

Control / Control Enhancement	Description of Change
New Control/Control Enhancement and Assessment Procedure	
SA-15(13) Development Process, Standards, and Tools | Logging Syntax	New Control Enhancement to address more clear requirements for logging. Control enhancement not included in any SP 800-53B baseline.
SA-24, Design for Cyber Resiliency	New in final based on stakeholder feedback. Added to address cyber resiliency by design. Control not included in any SP 800-53B baseline.
SI-02(07) Flaw Remediation | Root Cause Analysis	New control enhancement to address conducting a root cause analysis. Identified as a gap from analysis of the NIST SSDF. Control enhancement not included in any SP 800-53B baseline.
Revision to Existing Control Requirement	
SI-07(12)	Revised existing control enhancement to address all organization-defined software instead of only organization-defined user software. Control enhancement not included in any SP 800-53B baseline.
Update to Existing Control/Control Enhancement Discussion Change to discussion does not impact control requirement.	

SA-04	Updated discussion to address customer agreements and notification, and coordination of updates.
SA-05	Updated discussion to address additional considerations to include in developer artifacts and documentation.
SA-08(14)	Updated discussion to address limiting the functions that have access to operate with elevated privileges
SI-02	Updated discussion to address flaw remediation testing
SI-02(05)	Updated discussion to provide an implementation example.
Update to Related Controls or References	
All -01 Controls: Policy & Procedure	Added as related control to newly added SI-02(07)
AU-02	Added as related control to newly added SA-15(13), SI-02(07)
AU-03	Added as related control to newly added SA-15(13)
CA-07	Added as related control to newly added SI-02(07)
IR-04	Added as related control to newly added SA-15(13)
IR-06	Added as related control to newly added SI-02(07)
IR-08	Added as related control to newly added SI-02(07)
MA-03	Added as related control to newly added SI-02(07)
SA-08	Added new references
SA-15	Added as related control to newly added SI-02(07)
SI-02	Added new reference
SR-08	Added as related control to newly added SI-02(07)