

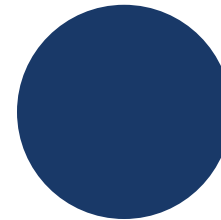
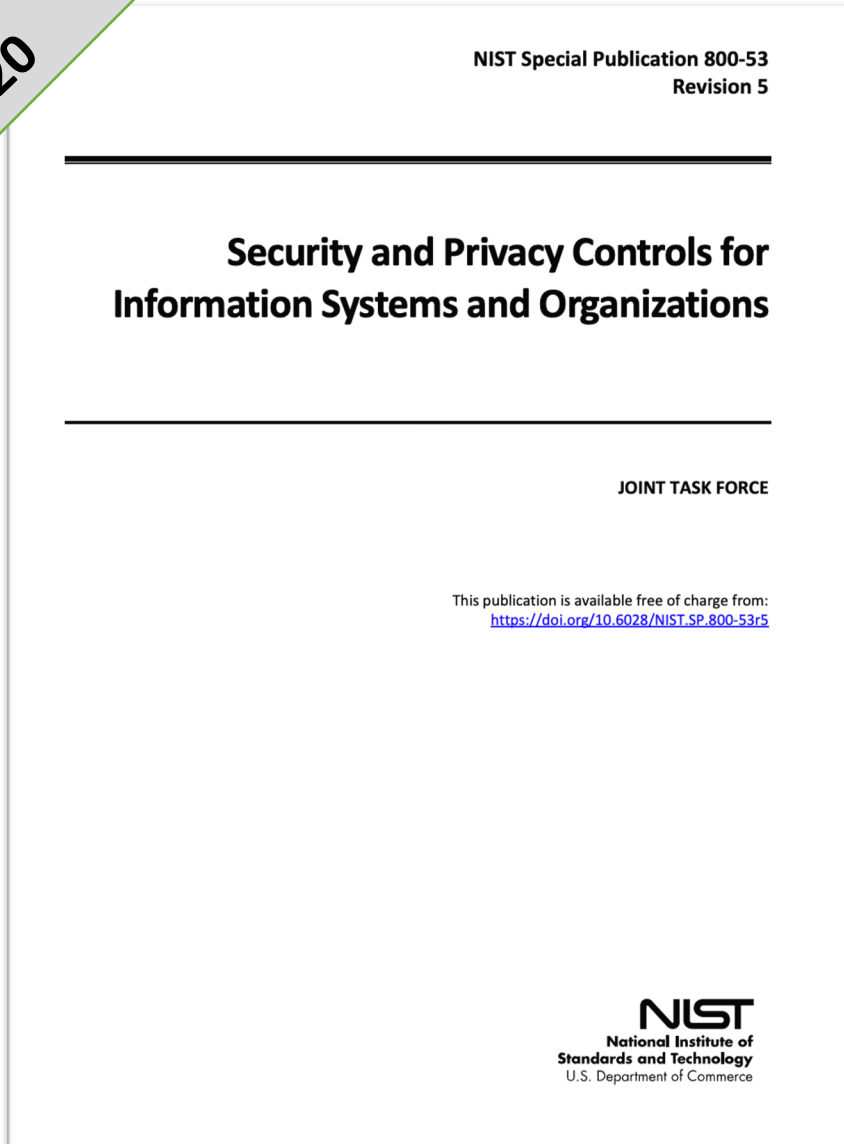
NIST Special Publication (SP) 800-53, Revision 5, Security and Privacy Controls for Systems and Organizations

- About the National Institute of Standards and Technology (NIST)
- Overview of NIST Special Publication (SP) 800-53, *Security and Privacy Controls for Information Systems and Organizations*
- Summary of Updates in NIST SP 800-53, Revision 5 and SP 800-53B, *Control Baselines for Information Systems and Organizations*
- Additional Resources
- Contact Information

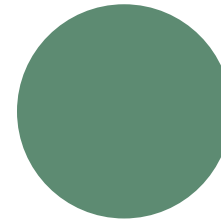


Mission: To promote **U.S. innovation and industrial competitiveness** by advancing **measurement science, standards, and technology** in ways that enhance economic security and improve our quality of life

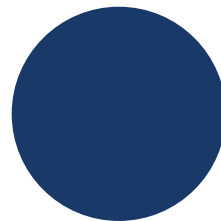
Published
Sept 2020



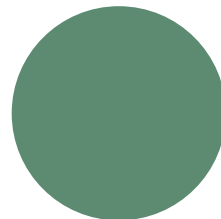
Catalog of security and privacy controls to protect organizational operations and assets from risk



Controls are outcomes that can be selected and implemented as part of an organization-wide process to manage risk



Controls are applicable to any type of system, including IoT, industrial control systems, communications & enterprise IT



SP 800-53 is part of a suite of guidelines to manage cybersecurity risk



Summary of Updates in SP 800-53, Rev 5



- Separation of **controls** from the **process**
- Controls are more **outcome-focused**



- **New controls and control enhancements**
- Privacy and Supply Chain Risk Management controls added to the Program Management (PM) Family & incorporated throughout
- New Control Families: **Personally Identifiable Information Processing and Transparency (PT)** and **Supply Chain Risk Management (SR)**



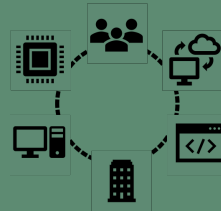
- Control baselines, overlay & tailoring guidance **moved to SP 800-53B**
- Mappings to the Cybersecurity Framework, Privacy Framework and ISO 27001 posted as **supplemental materials**



Privacy

- (Rev 4) Appendix J controls reorganized
- New PT control family
- Privacy integrated throughout
- New controls in PM family

Privacy integration into suite of RMF publications



Supply Chain

- New SR control family
- Supply chain risk management integrated throughout
- New controls in PM family

Alignment & integration of supply chain risk management

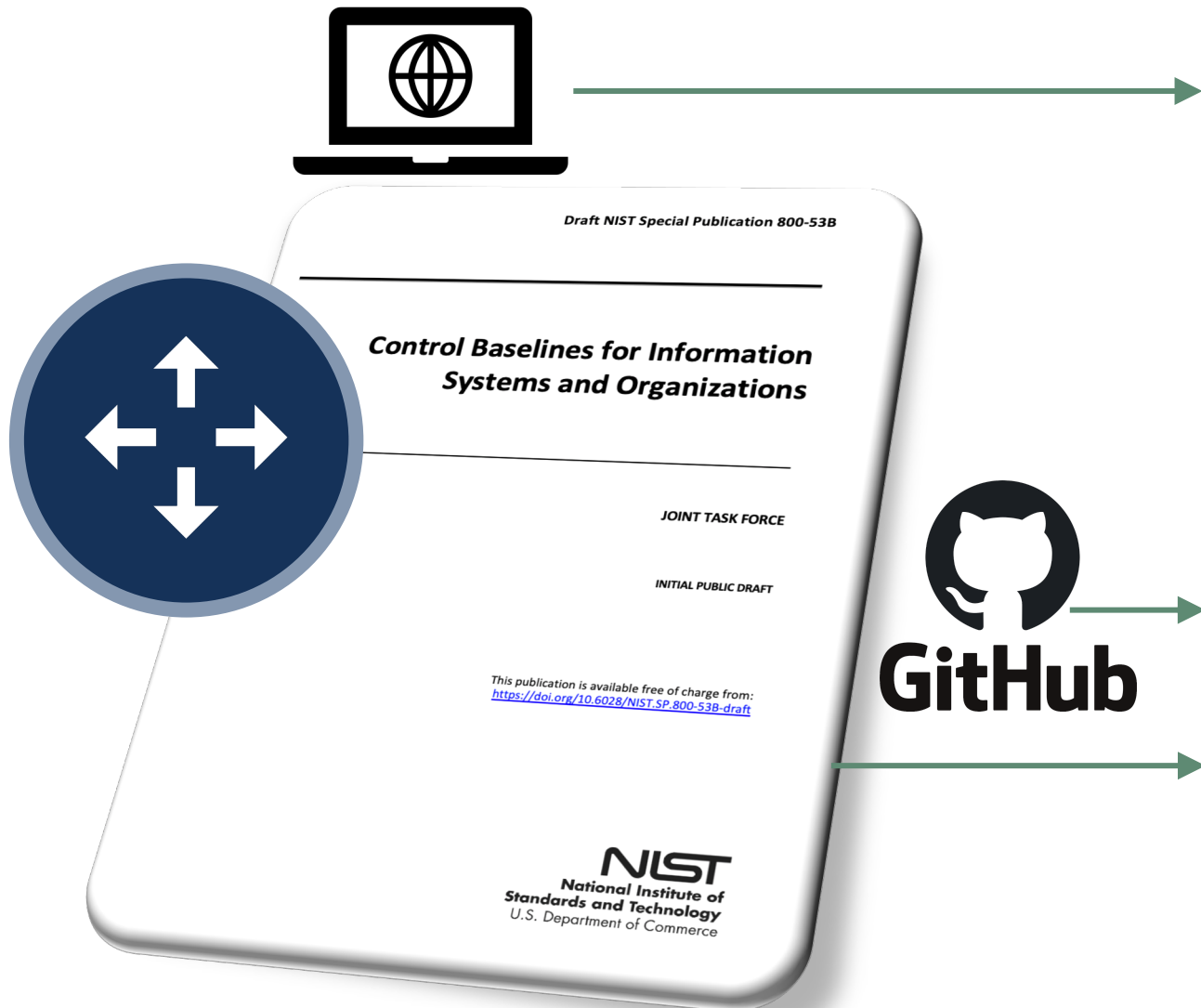


New Controls and Control Enhancements

- New, state-of-the-practices controls
 - Systems security engineering
 - Cyber resiliency
 - Strengthen governance & accountability

Informed by threat intelligence & cyber-attack data

Supplemental Materials & Control Baselines



- Controls in spreadsheet format, mappings, control keywords, and a collaboration template posted as spreadsheets under **SP 800-53 Supplemental Resources**
- Analysis of **changes** between Rev 4 and Rev 5
- **New Security Control Overlay Repository** launched
- Controls in **Open Security Control Assessment Language (OSCAL)** available
- Control Baselines, Overlay and Tailoring Guidance moved to **SP 800-53B**

NIST SP 800-53B, Control Baselines for Information Systems & Organizations



Published
Oct 2020

3 security control baselines

- Low, Moderate, High Impact Levels
- *Minor updates between SP 800-53 Revision 4 and 800-53B*

Guidance on Tailoring Control Baselines and Developing Control Overlays

- Control candidates for downgrading
- Selecting compensating controls and supplementing baselines
- Reference to Security Control Overlay Repository online resource (<https://csrc.nist.gov/projects/risk-management/scor>)

New in SP 800-53B

Privacy Control Baseline

- Initial privacy control baseline to address **privacy requirements** and manage privacy risks from the **processing of PII based on privacy program responsibilities under OMB Circular A-130**
- **Independent of the security control baselines**

CONTROL NUMBER	CONTROL NAME CONTROL ENHANCEMENT NAME	PRIVACY CONTROL BASELINE	SECURITY CONTROL BASELINES		
			LOW	MOD	HIGH
PL-8	Security and Privacy Architectures	X		X	X
PL-8(1)	DEFENSE-IN-DEPTH				
PL-8(2)	SUPPLIER DIVERSITY				
PL-9	Central Management	X			
PL-10	Baseline Selection		X	X	X



Risk Management Framework

<https://nist.gov/RMF>

Program overview & links to additional resources, including Quick Start Guides, a free **3-hour, online course on the RMF**, and the Security Control Overlay Repository



OSCAL on GitHub

<https://github.com/usnistgov/oscal-content>

OSCAL content for SP 800-53 controls (Rev 4, Rev 5, and draft baselines).

Available in XML, JSON, and YAML



SP 800-53, Revision 5

<https://csrc.nist.gov/publications/detail/sp/800-53/rev-5/final>

SP 800-53, link to OSCAL version of controls, controls in .xls format, collaboration index template



SP 800-53B

<https://csrc.nist.gov/publications/detail/sp/800-53b/final>

Security and privacy control baselines, link to the Security Control Overlay Repository, OSCAL & spreadsheet version of baselines (forthcoming)



STAY IN TOUCH

CONTACT US



nist.gov/RMF



sec-cert@nist.gov



[@NISTcyber](https://twitter.com/NISTcyber)