

Update on Draft Special Publication 800-53, Rev. 5

Information Security and Privacy Advisory Board

October 25, 2017

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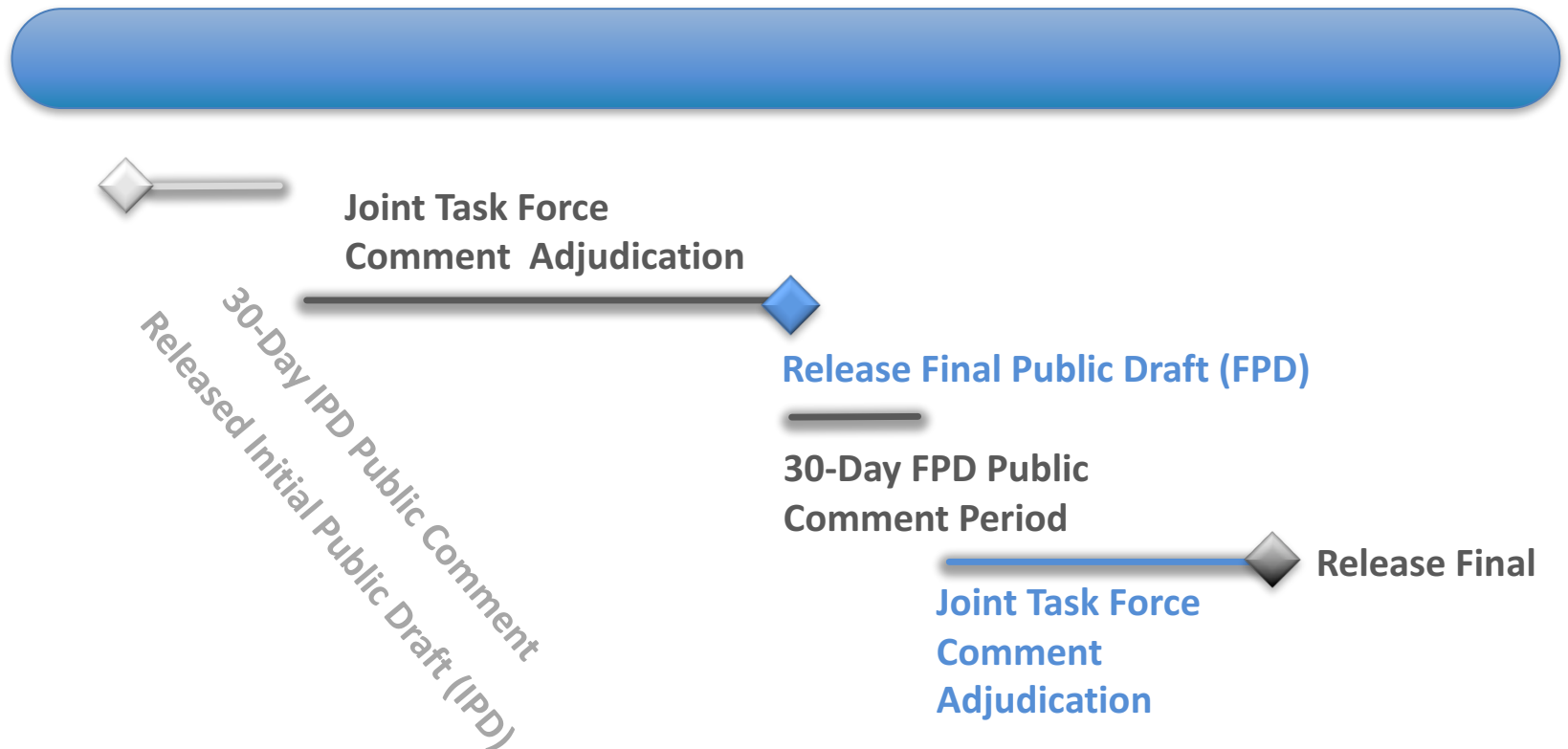
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Overview

- Planned SP 800-53, Rev. 5 Publication Schedule
- Summary of Updates
- Stakeholder Engagement Prior to Initial Public Draft
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- Open Discussion

Planned SP 800-53, Rev. 5 Publication Schedule*

2017 | 2018



**Awaiting OMB Approval; Dates subject to change*

Summary of Updates

Major Changes between Rev. 4 and Draft Rev. 5

- Control structure updated to be more **outcome-based**;
- Full **integration of privacy controls and security controls** into one control catalog;
- Control **selection process separated** from controls;
- Integration with different risk management and cybersecurity approaches and lexicons, including the **Cybersecurity Framework**;
- Incorporating new, state-of-the-practice controls based on threat intelligence and empirical attack data, including **controls to strengthen cybersecurity and privacy governance and accountability**.

Stakeholder Engagement Prior to Initial Public Draft

Pre-Draft Call for Comments

- Call for pre-comments Feb 2016
- Received 750+ comments
- ~200 additional comments
- Adjudicated comments and made changes to inform the initial public draft
- Coordinated with SME teams (Privacy, Supply Chain Risk Mgmt, Identity Mgmt, Cryptography, etc.)

RMF Interagency Working Group

- OMB coordinated w/ CIO and CISO Council for agency representation; NIST led technical discussion
- Over 20 agencies participated
- Convened in July-Aug 2017
- Review SP 800-53 control baselines and SP 800-37
 - 175+ comments on 800-53
 - Strategic feedback on 800-37

Stakeholder Engagement Prior to Initial Public Draft (Cont.)

Privacy Coordination with the Federal Privacy Community

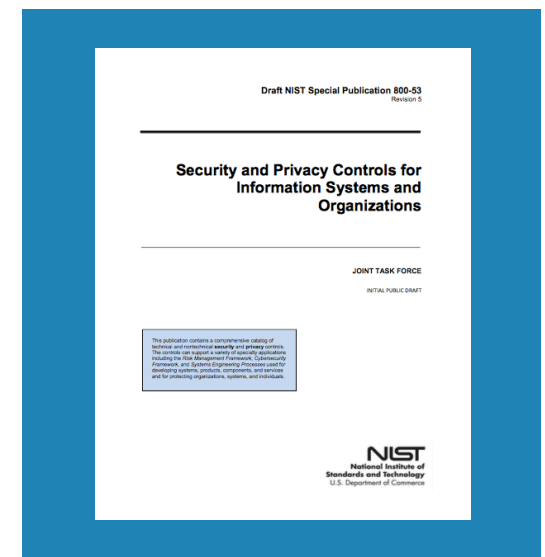
- Privacy Controls Workshop: Next Steps for NIST Special Publication 800-53, Appendix J (9/18/16)
- 800-53 privacy controls drafting process
 - Weekly: interagency core drafting team
 - Bimonthly: NIST FISMA team
 - Monthly: Federal Privacy Council Risk Management Subcommittee
- Coordination with OIRA Privacy Branch

Public Comments Received (Initial Public Draft)

- Initial Public Draft (IPD) published Aug 15, 2017
- 30 day public comment period (through Sept 12, 2017)
 - Also published “red-line” version of controls and baselines that highlight ***significant technical updates and changes***

3000+ *public comments*

115+ *stakeholders*



Initial Comment Analysis

Themes

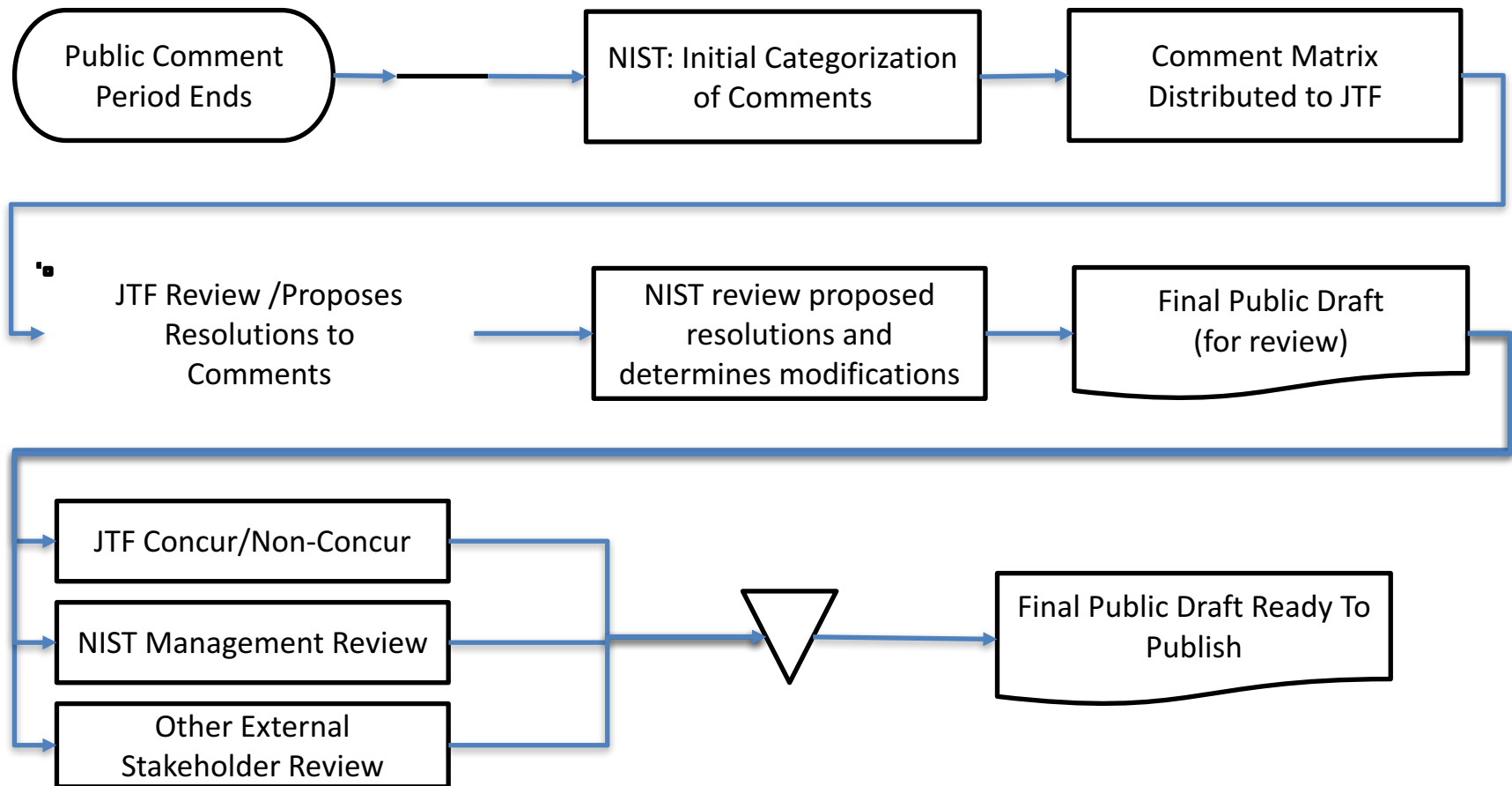
- New structure of XX-1 controls
- Mixed feedback on calling out “security and privacy” in controls
- High demand for track changes version and XML version of controls
- Suggestions to add controls to various baselines
- Suggestions for new controls / control enhancements
- Feedback to include baseline allocation back into control text
- Requests for mappings to other control sets/standards
- Request for additional clarity in supplemental guidance and org-defined parameters
- Suggestions for technology or implementation-specific controls (e.g., cloud, ICS)
- Request for rationale for changes

Initial Comment Analysis (Cont.)

Themes

- Some comments out of scope
 - issues with policy that is outside of NIST purview (that impact NIST publications and stakeholders)
 - request for implementation and assessment guidance
- Call for greater integration of privacy and security controls (e.g., removing the privacy-specific family distinctions)
- Request for more clarity regarding privacy/security overlap and differences as related to control selection and roles and responsibilities
- Support for the mapping of privacy controls to A-130 requirements

Initial Public Draft Comment Adjudication



Next Steps

- NIST and the JTF Partners continue to adjudicate comments
- Ongoing SME and stakeholder meetings to inform comment resolution
 - Working with OIRA, OMB, GSA in addition to the JTF partners
- *Current proposal to publish a Final Public Draft in December 2018*

Update on Draft SP 800-37, Rev. 2

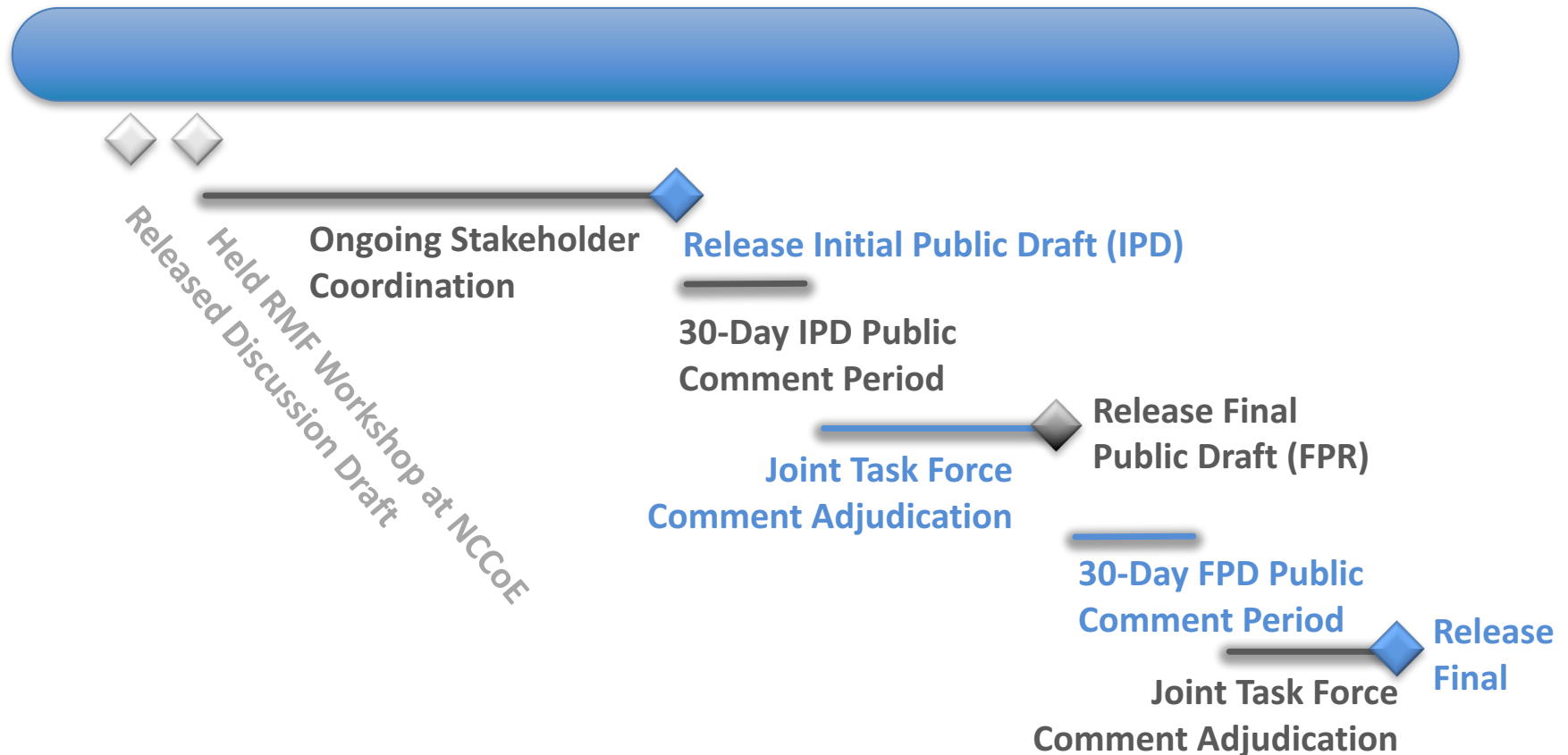
- Discussion Draft of SP 800-37, Rev. 2: *Risk Management Framework (RMF) for Information Systems and Organizations: A System Life Cycle Approach for Security and Privacy*, released Sept. 28, 2017
 - In response to EO 13800 and OMB M-17-25
- Leveraged the RMF Interagency Working group to provide initial feedback based on agency implementation experience
- Hosted open workshop at the NCCoE on Oct. 3, 2017 to get stakeholder input on the RMF
- Proposed (Major) Changes
 - Integration of privacy into document
 - New “Organizational Preparation” Step
 - New type of “Authorization Decisions”
 - Authorization to Use
 - Integration of Ongoing Authorization Guidance into document

Update on Draft SP 800-37, Rev. 2 (Cont.)

- Major Objectives of Update:
 - Closer linkage to risk management processes and activities at C-suite level and system/operational level (including SP 800-39)
 - Institutionalize enterprise-wide risk management prep activities
 - Demonstrate how the Cybersecurity Framework can be implemented using established NIST risk management processes
 - Integration of privacy risk management concepts into the RMF and support use of consolidated security and privacy controls in draft SP 800-53, Rev. 5

Planned SP 800-37, Rev. 2 Publication Schedule*

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Questions and Open Discussion