

RMF 2.0 Prep Step Deep Dive

NIST SP 800-37 Revision 2

(Initial Public Draft)

May 2018

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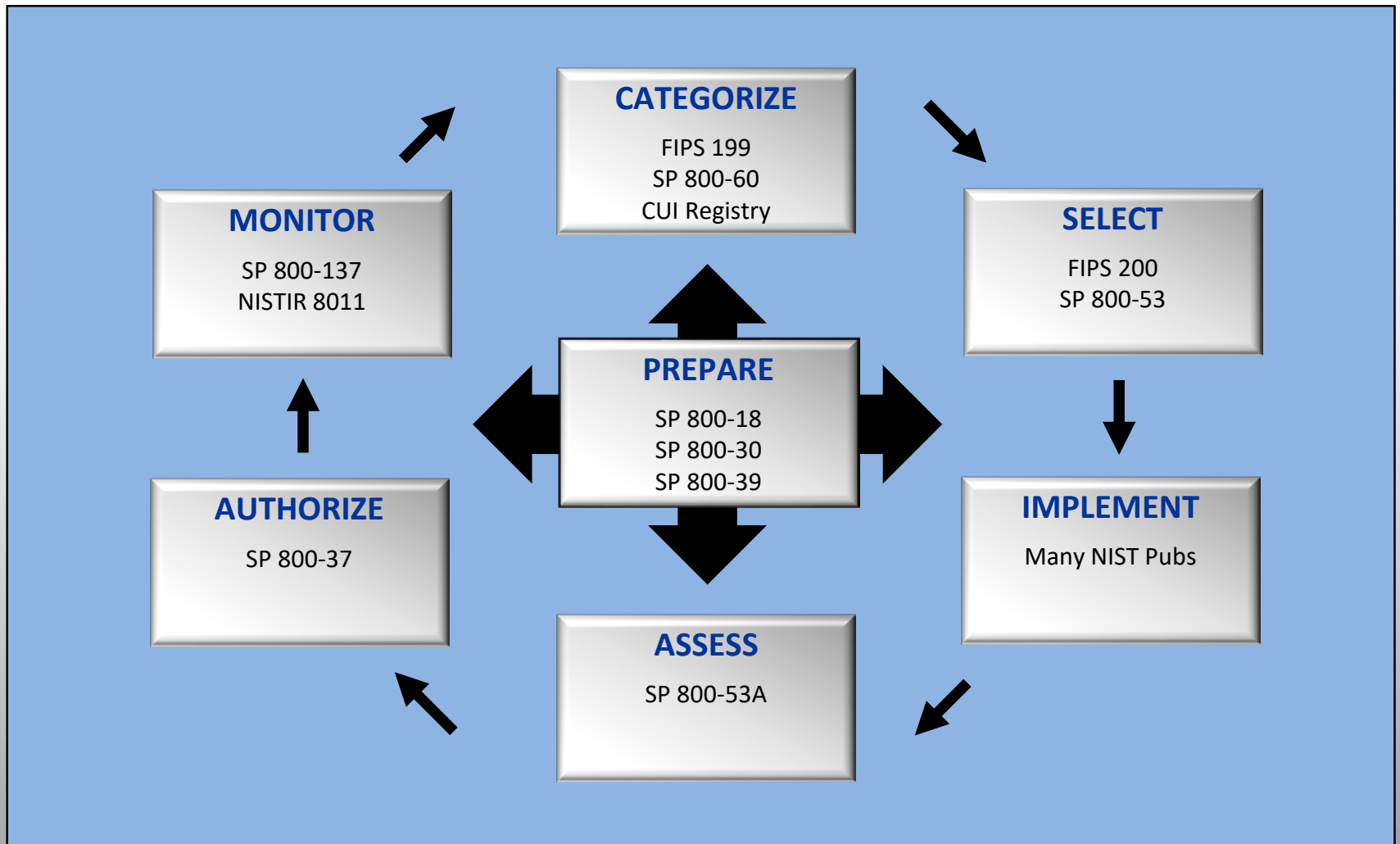


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Risk Management Framework for Information Systems and Organizations

- Initial Public Draft released 9 May 2018
- Public comment period through 22 June 2018
- Final Public Draft planned for July 2018
- Final publication planned for October 2018

RMF 2.0



RMF Improvements in Revision 2

- Addition of the organization and system level Prepare Step and associated tasks
- Integrates privacy risk management
- Expansion of Authorization options
- Aligns RMF with CSF
- Aligns RMF with security engineering processes
- Integrates supply chain risk management

Privacy Integration in Revision 2

	PREPARE	CATEGORIZE*	SELECT	IMPLEMENT	ASSESS	AUTHORIZE	MONITOR
PRIVACY RISKS							
Authorized PII Processing	YES	NO	YES	YES	YES	YES	YES
Unauthorized System Activity or Behavior Impacting PII	YES	YES	YES	YES	YES	YES	YES

* Except for system description, categorization tasks are not conducted to manage the risks arising from the authorized processing of PII.

Prepare Step Organization Level

- Task 1 – ID and assign people to RM roles
- Task 2 – Establish an org-wide RM strategy
- Task 3 – Assess org-wide risk
- Task 4 – Org-wide tailored baselines (optional)
- Task 5 – Common Control identification
- Task 6 – Prioritize within impact level (optional)
- Task 7 – Org-wide ISCM strategy

Prepare Step System Level (1 of 2)

- Task 1 – ID missions/business process to be supported
- Task 2 – ID interested stakeholders
- Task 3 – ID assets that require protection
- Task 4 – Determine authorization boundary
- Task 5 – ID information types

Prepare Step System Level (2 of 2)

- Task 6 – ID information lifecycle for PII (Naomi)
- Task 7 – Assess system-level risk
- Task 8 – Define protection needs and security and privacy requirements
- Task 9 – Determine placement within EA
- Task 10 – System registration IAW org policy

New/Revised Tasks in Existing Steps (1 of 2)

- **Categorize, Task 2** – Review and approve categorization results and decision
- **Select, Task 1** – Allocate requirements (expanded from ID common controls)
- **Select, Task 3** – Tailor selected controls
- **Select, Task 4** – Document planned implementation details in plans
- **Implement, Task 2** – Document implementation details different from planned (config baseline)

New/Revised Tasks in Existing Steps (2 of 2)

- Assess, Task 1 – Select appropriate assessor
- Assess, Task 6 – POA&M (moved from Authorize)
- Authorize, Task 2 – Risk *analysis* added to risk determination
- Authorize, Task 3 – Respond to risk
- Authorize, Task 5 – Report the authorization decision and significant risk

Authorization Options

- **Authorization to Operate**
 - System Authorization (Traditional or Joint)
 - Type Authorization
 - Facility Authorization
- **Common Control Authorization**
- **Authorization to Use**
- **Denial of Authorization**

What Else is New? (1 of 2)

- **Ongoing authorization supplemental guidance (June 2014) incorporated into Appendix F**
- **RMF and CSF alignment**
 - Pre/postconditions reference CSF as applicable, e.g., CSF profile as potential output from Org Prep Task 4
 - Task Outcome tables reference CSF sections, categories, or sub-categories as applicable
 - References for each task list applicable CSF sections

What Else is New? (2 of 2)

- **Security engineering process alignment**
 - Task references list related 800-160 process as applicable
 - Section 2.3 discusses system elements/enabling systems and tasks focus on stakeholder requirements
- **Supply Chain RM alignment**
 - Discussion of Supply Chain Risk Management (SCRM) and the RMF added in section 2.6
 - SCRM addressed in Task discussions as applicable
 - SCRM artifacts included in task potential inputs and outputs as applicable
 - SCRM responsibilities noted in Appendix D

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