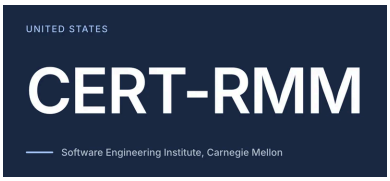
SmartSuite

Framework / Operational Resilience / Other

CERT Resilience Management Model (CERT-RMM) v1.2

CERT-RMM v1.2 is Carnegie Mellon's SEI process improvement model for operational resilience, with 26 process areas in four categories.



What it is

The CERT Resilience Management Model (CERT-RMM) Version 1.2 is the Software Engineering Institute's process improvement model for operational resilience management. It defines 26 process areas that an organization uses to protect and sustain the services and assets that matter to its mission, and to judge how mature its practices are. Version 1.2 was published in February 2016.

Carnegie Mellon University's Software Engineering Institute (SEI), through its CERT Program, publishes the model. Using it is voluntary, it is not a certification scheme, and it does not bind an organization legally. The SEI defines operational resilience as the emergent property of an organization that can continue to carry out its mission in the presence of operational stress and disruption that does not exceed its operational limit.

At a glance

PUBLISHER Carnegie Mellon University Software Engineering Institute (SEI)	TYPE Framework	VERSION Version 1.2
EFFECTIVE February 2016	DOMAIN Operational Resilience	FAMILY Other
REGION United States	ADOPTION MODEL Voluntary	IMPLEMENTATION COMPLEXITY High

Source: sei.cmu.edu/library/cert-resilience-management-model-cert-rmm-version-12/

Why it matters

- **One model for three disciplines** Security, business continuity and IT operations management are described by shared process areas instead of separate programs.
- **Asset-based thinking** Assets are people, information, technology and facilities, each with an owner and custodian, and resilience requirements are set for each asset to support a service (Asset Definition and Management).
- **Maturity shown by generic goals** Generic goals GG1 to GG3 distinguish achieving the specific goals from managing and defining the process, so maturity is measured per process area.
- **Dependencies are in scope** External Dependencies Management applies controls to services and assets that third parties own or operate.

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How SmartSuite supports CERT-RMM

Process Area Library

Load the 26 process areas with their specific goals and practices, each carrying an owner and a target generic goal level.

Services, Assets and Resilience Requirements

Link each service to the people, information, technology and facilities it depends on and record the resilience requirements for each asset.

Incident and Continuity Management

Track events, incidents, service continuity plans and recovery tests against the Incident Management and Control and Service Continuity areas.

Appraisal and Improvement Plans

Record self-appraisal results per process area, then turn gaps into improvement tasks with owners and due dates.

Evidence for Generic Goals

Attach documents showing a process is managed and defined: policies, plans, training and monitoring results.

Resilience Readiness Reporting

Report readiness, gaps and maturity by process area and by critical service for leadership.

Common framework mappings

Official resources

CERT-RMM Version 1.2

Provides comprehensive guidance for implementing the CERT Resilience Management Model.

resources.sei.cmu.edu/library/asset-view.cfm?assetid=508084

Frequently asked questions

What is CERT-RMM used for?

CERT-RMM is the Software Engineering Institute's process improvement model for operational resilience management. Organizations use it to determine their capability to manage resilience, set goals and targets, and plan to close gaps in how they protect and sustain services and assets.

How many process areas does CERT-RMM v1.2 have?

Twenty-six, in four categories: Enterprise Management (7), Engineering (6), Operations (9) and Process Management (4). Each has a purpose, specific goals and practices, and generic goals.

Is CERT-RMM mandatory or certifiable?

No. It is a voluntary model published by Carnegie Mellon University's Software Engineering Institute. It is a model for self-improvement, not a certification scheme, and nothing in it makes it a legal requirement.

What are the generic goals in CERT-RMM?

GG1 is Achieve Specific Goals, GG2 is Institutionalize a Managed Process and GG3 is Institutionalize a Defined Process. They are applied to every process area to judge how well a practice is embedded, rather than whether it exists.

What are the assets in CERT-RMM?

Organizational assets are people, information, technology and facilities. High-value assets have owners and custodians, and resilience requirements are set for each asset to support the service that depends on it.

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Full framework page and mappings: smartsuite.com/frameworks/cert-rmm-cert-resilience-management-model-v1-2