FedRAMP Security Controls Baseline

OVERVIEW

This document provides an overview of the security controls, enhancements, parameters, requirements and guidance listed in the FedRAMP System Security Plan (SSP) template.

Federal Agencies and Cloud Service Providers (CSPs) must implement these security controls, enhancements, parameters, and requirements within a cloud computing environment to satisfy FedRAMP requirements. The security controls and enhancements have been selected from the NIST SP 800-53 Revision 4 catalog of controls. The selected controls and enhancements are for cloud systems designated at the low and moderate impact information systems as defined in the Federal Information Processing Standards (FIPS) Publication 199.

SELECTION OF REVISION 4 SECURITY CONTROLS

The FedRAMP Joint Authorization Board (JAB) began the selection of security controls based on the PMO's analysis and selected controls from the NIST SP 800-53 Revision 4 defined baseline for low and moderate impact systems.

The JAB then selected additional controls and enhancements from the 800-53 Revision 4 catalog of controls and provided additional guidance and requirements around these controls. The controls were selected to address the unique risks of cloud computing environments, including but not limited to: multi-tenancy, visibility, control/responsibility, shared resource pooling, and trust.

In order to address the unique requirements of cloud computing in for the Federal Government, some of the controls and enhancements selected are over and above the standard NIST guideline and requirements for low and moderate systems.

HOW TO READ THE SECURITY CONTROL WORKBOOK

The FedRAMP security controls and associated fields for each control are organized as follows:

Control ID and Title: The FedRAMP security controls are numbered with titles, and grouped by control family designations in alignment with the SP 800-53 organization. The ID column provides the control number and the control title column provides the control name.

Control Baseline: All controls and enhancements for low and moderate systems that have been selected by the FedRAMP JAB are documented in their respective columns (Low or Moderate).

FedRAMP Defined Assignment/Selection Parameters: This column lists the control parameter and selections for each control that have been specifically required by FedRAMP. Assignments or selections not defined by FedRAMP (blank parameters) are CSP defined.

Additional FedRAMP Requirements and Guidance: This column lists any additional requirements above the scope of the control as required by FedRAMP and also lists guidance for interpretation and implementation as defined by FedRAMP.