Risk Management:

Overview of e-Gov Risk Portfolio Manager™ (e-Gov RPM™) V4 for Under Secretary of Energy

March 2011
Today’s Agenda

1) eGov RPM and use at DOE EM
2) Overview of the capabilities of eGov RPM™
3) eGov RPM supports the Under Secretary of Energy’s Program Cyber Security Plan (PCSP)
e-Gov Risk Portfolio Manager is a multi-user, web based tool used for continuous monitoring

Why use an automated tool for continuous monitoring?

• Consistent data capture
• Central repository to store data and information accessible via the Web
• Ease of reporting for management and auditors
• Automated control inheritance and control tailoring
• Makes the process easier
DOE EM and the Office of the Under Secretary of Energy Working Together

• Through collaboration, DOE EM and the Under Secretary of Energy have worked together to assess the Office of the Under Secretary of Energy’s Continuous Monitoring requirements against eGov RPM capabilities

• EM has shared their implementation experiences, their resources, their lessons learned and their instance of eGov RPM with the Office of the Under Secretary team helping to maximize DOE’s technology investments
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eGov RPM use at DOE EM

- DOE EM has been using eGov RPM to support cyber security and risk management

- At EM eGov RPM
  - Supports and makes the continuous monitoring effort easier and more efficient
  - Is the Central repository for data and artifacts
  - Reduces expenses during audits by providing auditors read only access to authorized portfolios
  - Enables an enterprise view of risks to allow management to focus on critical risks for better use of resources and funding
Key Features of eGov RPM

- Continuous Monitoring and tracking
  - System Security Plan
  - Risk Management
  - POA&M Management
  - Secure partitioned data views
  - CyberScope compatible exports
  - Multi-level control baseline inheritance and control tailoring
  - Tool pre-populated with NIST controls
- eGov RPM has been aligned with the Under Secretary of Energy’s PCSP
- Customized reports that facilitate and support continuous monitoring Strategies
e-Gov RPM™ groups assets into **portfolios** which can represent accreditation boundaries, organizations, programs, or projects.

Groupings of assets meaningful to your organization are recorded and centrally managed by the tool.
e-Gov RPM comes out of the box with a standard set of risk categories and also allow the organizations to add their own custom categories for tracking risks.
eGov RPM Key Risk Features

- Risks can be associated with NIST controls or defined **custom controls**
- Users can track and report on **residual risks**
- An **executive dashboard** of the organization’s overall risk posture is available
- A **Derivative Classifier Review** function is available for reviewing aggregated data that together represent potentially sensitive information (Mosaic Effect)

- **Sources**, such as OMB Memoranda, DOE directives, GAO reports, or Audit reports can be used to identify risk details
- **Source ID numbers**, such as section numbers from standards or policies, can be associated with each risk
- **Assessor** roles can be customized
- **URLs** to other web sites containing additional risk information can be associated to each risk
eGov RPM supports the Under Secretary of Energy’s PCSP

- Records the organizational impact level
- Categorizes the information system
- Enables a user with the proper permissions to select/tailor the baseline of security controls to include the CAG
- Helps the user implement the security controls
- Assesses security controls
- Authorizes the information system
- Monitors security controls
- Continuously monitor risks
Records the organizational impact level
The eGov RPM tool comes pre-populated with the NIST 800-60 data categorization publication.
Enables a user with the proper permissions to select the applicable security controls. Multi-level control baseline inheritance and control tailoring.
Enables a user with the proper permissions to select/tailor the baseline of security controls to include the CAG.

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Multi-level control baseline inheritance and control tailoring (cont’d)
Helps the user implement the security controls

Pre-populated with NIST 800-53 controls

- Control Enhancement
- Organization Policy
- Technology Control Mapping
- Documented Risk
Helps the user implement the security controls (cont’d)

You can supplement NIST’s controls with controls specific to your environment
Assesses security controls

### Mission adjusted baseline
- Identification of System Administration
- System Administration, Networking, and Security Institute (SANS) Consensus Audit Guidelines (CAG)
Authorizes the Information System

Capture data for reporting as well as artifacts that result from offline processes

- POA&M
- Security Authorization Package (off-line)
- Risk Determination
- Risk Acceptance
Monitors Security Controls

On-going security control assessment, remediation, termination, and acceptance using the risk management system
Monitors Security Controls (cont’d)

Done in conjunction with Security Plan Management mapping risks to controls
Reports in e-Gov RPM can be displayed in a variety of layouts or presentations.
e-Gov RPM™ provides multiple types of reports, at varying degrees of technical detail, to accommodate multiple audiences.
Conclusions – **Why e-Gov RPM?**

- **Flexible tool to organize and manage Risks**: e-Gov RPM provides a powerful tool to organize and manage risks in many ways for accreditation boundaries, organizations, programs, projects or software applications.

- **Drive compliance and eliminate redundancy**: e-Gov RPM’s pre-populated NIST guidance provides an on screen reference to relevant information and the central repository of risk and security information provides uses access without duplication (e.g. risk management control inheritance).

- **Save many HOURS in document preparation time**: e-Gov RPM automates the generation of many time consuming data call and report preparation tasks, increasing accuracy and efficiency in reporting.

- **Mature**: e-Gov RPM has been marketed as a product for more than 7 years, has gone through 3 major version upgrades and is used in several different risk management environments.

- **Customized Report**: eGov RPM V4.0 leverages Crystal Reports to provide flexible reports that meet the customer’s needs.
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