

# RCAPTS — Readiness Certification Assurance Process Tracking System



Using RCAPTS, readiness worker creates organized, paperless evidence file for use of readiness review teams.

The Readiness Certification Assurance Process Tracking System (RCAPTS) is a Web-based multiuser system that manages readiness projects, reviews, and associated activities performed by readiness personnel and other involved associates at U.S. Department of Energy (DOE) sites. A project management tool designed to replace or supplement paper-based administrative activities, RCAPTS includes a series of Web scripts written in the PHP server-side scripting language and a Microsoft Access database, making use of a server and end devices to process programming code.

SOFTWARE

## Features

- Manages work flows automatically and notifies users when an action is required
- Accepts electronic storage of evidence documents and links to external systems
- Eliminates via centralized management the need for client interaction
- Runs on any JavaScript-enabled Internet browser of end device connected to a network on which PHP is installed

## Benefits

- Unique — is only known product of its kind that assists with carrying out DOE Order 425.1, "Verification of Readiness to Startup or Restart Nuclear Facilities"
- Portable and affordable — allows access on any device (local or VPN)
- Timely — provides real-time status, enabling productive management of issues/affirmations
- Efficient — uses database query and sort features to quickly identify areas needing attention
- Versatile — is flexible and can be tailored to meet a wide range of complex expectations and individual client needs

- Secure — allows roles and responsibility assignments that automatically govern access

## Applications

A system that manages readiness activities performed at DOE sites, RCAPTS could be developed to appeal to:

- Engineering firms responsible for construction and/or startup activities
- Software companies (e.g., supplement to existing software such as Oracle's Primavera 6)
- Operating firms that start new complex processes in a regulated environment (e.g., nuclear utilities, refinery operations, etc.)

## Copyright

- Y-12 has copyright protection for this technology.

## Developer

Garrett Cook

## Technology Readiness Level (1–9)

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Technology has been proven to work in its final form and under expected conditions.

## Partnering Opportunities

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Y-12 is seeking an industry partner to fully commercialize this technology.

**If you would like more information, please contact the  
Office of Technology Commercialization and Partnerships:**

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*<http://www.y12.doe.gov/technologies>*