Spectrum Software, Inc

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FOR IMMEDIATE RELEASE

Spectrum Introduces Powerful Component/Package Management Feature And Major Eclipse enhancements with the latest SpectrumSCM 2.6 release

Atlanta – December 3rd, 2007: Atlanta based Spectrum Software, Inc., a systems designer and developer of software productivity tools, announced today the immediate availability of the latest **SpectrumSCM 2.6** release of its flagship enterprise Source Configuration Management/ Change Management product. This marks yet another successful year of adding several new features to the already rich set of SCM functionalities available for all levels of users of SpectrumSCM. This latest release is the second major release of the year and contains over **35 new** enhancements. The new product version includes a number of enhancements requested by our current customers as part of our wish list initiative.

SpectrumSCM is the first truly integrated, platform independent, full-featured (*Version Control, Issue/Defect Tracking, Change Management, Process Management, Workflow, Release Management, Parallel Development*) Source Configuration Management system in the market place. SpectrumSCM brings in the **best practices for automation of Project lifecycle processes** through **unified configuration management and change management** by providing full CM functionality with one truly integrated SCM system and not as a suite of bundled applications. SpectrumSCM makes it efficient to undertake comprehensive source configuration and change management for any 'e-Asset' (*software code, text, binaries, engineering drawings, images, web pages, documents, excel, powerpoints, contracts, proposals, training docs, curriculum material, SAS program files* etc.), from **origination** through **delivery, maintenance, and support**.

Package/Component Manager: A major feature item added by popular customer request - the capability to form packages of items collected from various configuration items within the CMDB. Packages are defined as a set of components, where a component can be any **directory**, **formal release** or **phase-based release** from any of the existing project branches using the **package/component manager GUI**. Packages can therefore be defined to combine (for example) a particular version of a database component with a particular version of a middleware and UI/Web component. Users can also build packages from components across different projects assets and from different branches within those projects. Once defined, such a package can be extracted in a fully reproducible manner either through the user interface or through the command-line (for easy build scripting/automation). Complete bill-of-materials (BOM) reports are also available instantaneously for tracking and auditing purposes.

Eclipse Enhancements: Another major set of enhancements has been to the SpectrumSCM-Eclipse plugin. The updated Eclipse plugin further enhances the use of SpectrumSCM, and the newer versions of the Eclipse Platform including Europa (version 3.3). Eclipse is an award-winning universal platform for tools integration, software modeling and testing that has been broadly adopted by commercial vendors, academic institutions and open technology developers. The current customers, have already been using and benefiting from the powerful version control, issue tracking, change management, process management and other advanced software configuration management features of SpectrumSCM for the Eclipse platform. The new features include –

- Enhanced Refactoring - Full Eclipse refactoring operations are now supported and correlated to their appropriate repository updates. This ensures consistent repository states and full trackability of changes.

- Workspace synchronization enhancement – The workspace synchronization feature which supports offline modes of working, has been enhanced to better handle refactoring types of situations (file renames, moves etc).
- Quick check-out based on the edit of a read-only file.
- Direct Eclipse access to Change Request reports and information (files edited etc).
- Unique to SpectrumSCM - Adding "re-common" capability to the Eclipse IDE, to complete the branching patterns work-set as already available through the main SpectrumSCM user interface..
- Make the change request icons and colorization consistent with the main SpectrumSCM UI.

Some additional SpectrumSCM Version 2.6 feature items.

▪   **Create report "find" and hyperlink mechanisms**

Hyperlink technology has been added to the reports to enable quick and easy drill down through report details. As an example, from the "CRs in a release" report you can select on a Change Request to view that CRs details.

The "find" function allows you to search for and identify specific details within a produced report.

▪   **New user-projects report**

A new report has been created to correlate all of the projects a user has access to, and what permissions they have been granted within those projects. The ability to run this for all users is also available.

▪   **Defining and Enforcing Mandatory Approval Steps at the regular user level**

Workflow definition and management functionality in SpectrumSCM has been very popular, in particular in implementing approvals processes. To better facilitate and ease this, approvals are now specifically supported through the workflow definition and progression screens. Once a workflow phase is defined as an approvals phase, the approver will be specifically prompted for their approval or rejection of the Change Request. Such an action will be recorded against the CR for traceability and auditability reasons. This feature will now provide greater flexibility to separate normal permission users from the users who have greater privileges in a project team while ensuring the enforcement of the approval steps.

▪   **File version history - show top 10**

This is an optimization item. As file histories grew longer and longer it was becoming fairly slow to present the complete file version history all the time. By only presenting the most recent changes, the screen is presented in a much more timely manner. Access to older versions is still available simply by selecting the "More" button.

▪   **File version rollback - soft and hard**

File version rollback has been specifically added by customer request. While such functionality was always available, it took multiple steps. To perform a rollback now, all you need to do is select the version you wish to rollback to, and select whether you wish to rollback soft or hard.

Soft rollback maintains the version history and simply rolls back the file contents. This would be appropriate to maintain full traceability of the actions and intermediate file versions. A hard rollback will only be available to project users with "delete file" capabilities, as this option will literally remove the file versions from the CMDB. Notes will still be added to the appropriate Change Requests to maintain traceability.

▪   **Project Delete - soft and hard and Project Rename**

Earlier versions of SpectrumSCM   project deletion always involved some system administrator action and in particular a server application restart. This new enhancement will now allow project deletion to be performed (with appropriate restrictions) on a live system.

A soft-delete means that the action will be recoverable. A hard delete means that the project and its repository will be literally removed, freeing up that disk space.

In addition to resolving the project deletion technical issue, this also means that a project can now be successfully renamed.

▪ **CR Number redefinition**

Change Requests are assigned an identifier based on a textual prefix and the numeric suffix, the prefix was by default based on the project name. Since project renames are now supported, the capability to redefine the CR number format was also needed.

Availability

SpectrumSCM, is available directly from Spectrum Software, Inc. For pricing, demos and sales information, please contact Spectrum sales representative (email: sales@spectrumscm.com) at 770-448-8662 (North America).

About Spectrum

Spectrum Software, Inc. is a 15 year old, proven software systems design and services firm providing cost-effective, efficient and quality software products and services to large, medium and small businesses. Spectrum Software has three divisions: *Software Services*, which focuses on outsourcing and leading software development projects for clients; *Software Products* division, which engineers software tools and products and *Spectrum Multimedia*, which creates multimedia-based software products for children. The SpectrumSCM® product is seen as a very attractive alternative to many of the existing market leading competitors. Because of its tightly integrated Process management and change management architecture, SpectrumSCM has been repeatedly acknowledged to be one of the most economical, full-featured enterprise SCM tool that **offers the best combination of value and functionality** by its customers. SpectrumSCM provides **High-end CM capability at the price of a competitor's single function tool**. Fully integrated solution implies that users do not have to use different applications with different interfaces to relate change requests with the files that are being affected. Administrators are **no longer** responsible for maintaining **"bridging"** software or scripts to relate different applications such as version control and issue management, to enforce process compliances steps, validate release artifacts etc. SpectrumSCM is a **true task/change based** source configuration management system with change management being an integral part of its architecture. In May 2006 SpectrumSCM was Voted Top Java Product – *2006 JavaPro Reader's Choice Award*, as the Best Pure Java Packaged Client/Server or Distributed Application. For more information on Spectrum Software and SpectrumSCM™, check out the company's Web site at www.spectrumscm.com or email info@spectrumscm.com or call 770.448.8662.