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## **Inmagic *Presto* Software Ensures NASA Space Shuttle Safety by Organizing and Providing Access to Critical Images**

*Woburn, MA (May 31, 2007)* – Extensive photographs, video footage and other imaging assets are critical to the safety of NASA’s space shuttle missions. NASA Images Analysis Teams (IAT) use the Baseline Configuration Imagery’s 14 megapixel high-resolution camera images to detect a scratch as small as 1/20,000<sup>th</sup> of an inch. These baseline images document the pre-flight condition of the shuttle, and include images of all 28,000 tiles on the exterior of the shuttle as well as the “reinforced carbon carbon” (RCC) that encases and protects the leading edge of the shuttle’s wings and nose.

Hundreds of individuals across NASA need to access these imaging assets in order to monitor launch results, review design decisions and insure mission safety. Additional video footage and still images shot on orbit enable NASA engineers to compare pre-flight and in-flight images in order to assess functionality and highlight areas that warrant further scrutiny. For instance, if during the mission something about the shuttle appears different and perhaps damaged, pre-flight and in-flight images can be compared in order to determine if the vehicle is safe to land. An astronaut doesn’t need to go outside the shuttle in order to physically inspect it.

Until recently, however, only the Image Analysis Teams staff could view these baseline images, and sometimes with delays because of the complexity of accessing them.

To make the baseline images readily available outside of the IAT, NASA turned to Inmagic® *Presto* software as the foundation of its Institutional Computerized Archiving System, or ICAS. *Presto* opens the baseline images for use by the broader NASA community by organizing those images and providing direct 24/7 Web-based access for all authorized users. *Presto* also is used to archive motion picture film and video footage captured during a mission, and in the future will be used to distribute that footage as well.

NASA Integration Lead Chuck Brown and his team explored extensive alternatives before selecting and implementing *Presto* research asset management software. Chuck explained that “we chose *Presto* because of its unique ability to archive, manage and provide broad access to imaging assets. It’s an exciting use of advanced Web-based technology to improve the safety of shuttle missions.”

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Security considerations dictate which NASA staff are authorized to access various images. *Presto's* ability to establish varying degrees of security for particular images, facilities, people or other criteria also influenced NASA's decision to select *Presto*.

"It's extremely gratifying to have *Presto* play a role in ensuring the safety and success of the shuttle," noted Paul J. Puzzanghera, Inmagic's President and CEO. "*Presto* is well-suited to complex organizations like NASA where numerous end users are highly dependent on diverse information assets and must have Web-based access to them 24/7 regardless of where the assets or users are located."

### ***About Inmagic***

Inmagic, Inc. is the global leader in enterprise Research Asset Management. Inmagic's solutions are uniquely capable of organizing diverse sets of research materials and enabling our customers to gain extraordinary insights from them. For more than twenty years, Inmagic has been a pioneer helping organizations tap the value of their unstructured information assets. Today thousands of organizations around the world use Inmagic software to actively manage a wide range of physical and virtual information assets. Inmagic solutions are known for their flexibility, ease of use and deployment, and minimal need for information technology support. Because they are based on Microsoft® SQL Server™ and .NET technology that utilizes Web services, Inmagic applications can be integrated with and interoperate within an organization's overall information technology infrastructure. For more information, visit <http://www.inmagic.com> or call toll-free 800.229.8398.

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