

Press Release

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## COMPRESSUS SHOWCASES COMPREHENSIVE SUITE OF ENTERPRISE SYSTEMS INTEGRATION SOLUTIONS AT RSNA

### MEDxConnect™ System Provides Seamless Connectivity and Affordable Interoperability Between Multi-Vendor Enterprise Systems

CHICAGO, Nov. 27, 2006 — Compressus, Inc. today announced that it will showcase its comprehensive suite of Enterprise Systems Integration software solutions here at the 92nd Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA), November 26-December 1. The MEDxConnect™ System technology provides seamless connectivity and interoperability between diagnostic acquisition devices, PACS, HIS, RIS, and their related information systems of integrated digital medical imaging and data management. Key components of the MEDxConnect Enterprise Integration solution include: the Medical Message Mediator (M<sup>3</sup>), the Virtual Worklist and the Systems Management Dashboard (SMD).

"The lack of interoperability between existing information and imaging systems is one of the most critical problems facing the diagnostic and management effectiveness of the healthcare profession today. Compressus' MEDxConnect is an innovative technology that supports healthcare's need for a fast, effective, accurate, and affordable solution providing seamless connectivity and interoperability. In addition, this level of interoperability is essential for eventual implementation of a standards based Electronic Health Record," said Janine Broda, vice president and general manager for Compressus. Medical Solutions Division.

The centerpiece of the MEDxConnect technology is the Medical Message Mediator (M<sup>3</sup>). Utilizing HL7, DICOM, and other standards, the M<sup>3</sup> uses the communications protocols and semantics of each participating information system to control the flow of images, reports, messages, standard patient demographics and other important data for diagnosis and treatment planning of a patient between otherwise independent and disparate systems. The M<sup>3</sup> uses DICOM, HL7, XML, SSL, TLS and other standards to ensure HIPAA compliance in both procedural and security areas.

The greatest source of enterprise interoperability problems is associated with the fact that different systems use proprietary data structures to store and move information. The M<sup>3</sup> mediates interoperability between the different applications, creating a virtual integrated information system that adheres to the IHE technical framework. This information can then be reliably used to automate and manage enterprise workflow based on customers' programmed requirements. This eliminates manual data entry operations and speeds up the healthcare delivery process.

The MEDxConnect Virtual Worklist is a software product that runs on the MEDxConnect M<sup>3</sup> server and leverages the M<sup>3</sup> integration capabilities. With a growing shortage of radiologists, particularly sub-specialists, centralized worklists with automated routing and single login access

are crucial to ensure timely review and interpretation. The Virtual Worklist and M<sup>3</sup> enable users to build a flexible system to efficiently manage diagnostic and reporting workflow throughout the Enterprise. This is accomplished through the ability to retrieve and store diagnostic images on DICOM archives, the ability to manage their activities via a patient work list generated from multiple PACS or network systems, as well as the ability to route images to participating physicians based upon any combination of modality, body part, and/or referring physician through rules created by the customer.

By creating one integrated Enterprise diagnostic network, the Virtual Worklist and M<sup>3</sup> maximize productivity and reduce spikes in workload. The Virtual Worklist permits optimal utilization of diagnostic physicians Enterprise wide, by giving physicians the ability to perform diagnostic readings from any point on the network for any patient in the Enterprise. The Virtual Worklist permits time based routing of data and worklists for after hour diagnosis and permits the implementation of load balancing of workflow by customer programmed rules. The result is single Enterprise-wide diagnostic workflow solution that increases efficiency, saves time and money and provides the customer the freedom to choose the HIS/RIS/PACS systems on feature preference rather than to avoid integration issues.

In order to maintain the highest level of efficiency, a Healthcare Enterprise must be able to monitor the workflow. However, one of the problems is to find inefficiencies or bottlenecks in workflow in order to correct them. The Compressus MEDxConnect Systems Management Dashboard (SMD) provides the needed overview in monitoring Enterprise activities and assists in identifying inefficiencies or bottlenecks in workflow. Using a variety of numeric and graphic tools to display workflow operations, the SMD is a powerful tool. It will enable users to find and correct inefficiencies and be proactive in making the Healthcare Enterprise more efficient

Compressus' MEDxConnect System acts as a communications hub, enabling various PACS, HIS, RIS and other data information systems to connect and communicate across the Enterprise. The integrated imaging and data management solution from Compressus is designed to support a facility's current and expanded workload and provide an infrastructure for sustained growth. State-of-the-art technologies work together to build the functionality required for remote connectivity and enables users to access diagnostic images and reports in the existing data stores at each facility, increasing the level of medical care while reducing the associated costs. This solution emphasizes the electronic collection and distribution of digital imaging data.

"As Healthcare Enterprises grow in size and complexity, Enterprise Systems Integration will become increasingly vital to the successful management of patient care and the bottom line. We strongly believe MEDxConnect will be at the forefront based on its ability to adhere to accepted medical and communications standards. It efficiently leverage existing communications infrastructure to connect existing information systems and applications through standardized and proprietary formats. Finally, through auditable enabling of intelligent workflow between these systems, MEDxConnect helps create an efficient interoperable Enterprise healthcare information system," added Broda.

About Compressus Inc.

Compressus Inc. is a software development company offering robust, proven solutions in the

growing fields of medical imaging, telemedicine, disaster preparedness and response, and biosurveillance. The company's advanced data-compression and server technology enables the rapid collection, storage, and secure transmission of large data sets, such as detailed medical images, working interoperably with any existing or emerging IT and telecom system. For more information, visit [www.compressus.com](http://www.compressus.com)

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