Press Release

Contact: Bruce Trask
Tel: 718-451-6668
Email: bruce.trask@mdesystems.com

FOR IMMEDIATE RELEASE

MDE SYSTEMS ANNOUNCES THE RELEASE OF **namespace sca™,** A COMPREHENSIVE SET OF FRAMEWORKS, UTILITIES AND ABSTRACTIONS FOR DEVELOPING SOFTWARE TARGETED AT THE SOFTWARE COMMUNICATIONS ARCHITECTURE (SCA) FOR SOFTWARE DEFINED RADIOS (SDR).

Yonkers, New York, USA – December 1st 2009. MDE Systems Inc., an acknowledged leader in the modeling, tooling, development and testing of complex software systems including Software Defined Radio (SDR) Systems, announced today the release of its next generation development kit for Software Communication Architecture (SCA) development, called **namespace sca.** **namespace sca** has been developed exclusively by United States citizens.

namespace sca contains a veritable universe of programming utilities, frameworks, tests, and abstractions specifically designed to raise the level of abstraction, robustness and correctness at which development teams operate when developing SCA SDR software systems.

"SDR software is extremely complex, in fact it is some of the most complex software you will find anywhere", said Bruce Trask CEO of MDE Systems Inc. "Development teams tackling this domain have to develop software that could be described by long list of modifiers including: distributed, real-time, embedded, high performance, fault tolerant, dynamic, secure, networked, heterogeneous, portable, standards compliant, life critical, multi-threaded, multi-process, size weight and power constrained, object-oriented, C/C++ and software defined. Each of these brings unique challenges individually. SDR software systems have to satisfy and reconcile these various concerns *all at the same time*. As such, a development team's tools and technologies have to be at a maximum in order to succeed in this domain. **namespace sca** is a quantum leap forward in the technology needed to tackle the complexities of the SDR domain."

"The programming-centric name we chose is actually very appropriate on many levels. These are tools developed by seasoned programmers who have been through the entire lifecycle of building and deploying software defined radios. On a C++ level, when you type **using namespace sca;** in your code, you are making available to yourself hundreds of extremely powerful programming utilities and frameworks that greatly assist you in developing SDR software. By leveraging **namespace sca** you really do bring these powerful utilities "into scope" for your projects and development teams. A great example of this is the **namespace testing** within **namespace sca**. The testing namespace contains hundreds of utilities for accelerating UIC compliance testing, a very difficult requirement to satisfy without these facilities. These facilities alone change the game of secure and robust SDR software development completely".

"MDE Systems has been providing leading edge technologies and training to the JTRS SDR community for many years. Our developers have quite some dented armor with regard to how best to develop these systems. They have encoded these lessons learned in the vast set of utilities, frameworks and abstractions that make up **namespace sca**", continued Bruce Trask.

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About MDE Systems Inc.

MDE Systems Inc. develops, markets and supports a wide range products, services and training for complex distributed real-time and embedded software systems. Its specialties are Model Driven Engineering, Domain Specific Languages and Software Define Radio technologies. Members of MDE Systems' staff have been working with JTRS/SCA Systems since the inception of the JTRS program and with advanced communications systems well before that. They have worked in lead technical capacities within many large and small companies alike. Members of MDE Systems' technical staff have been writing SDR software as part of their full time job for over a decade. They have been involved with all aspects of the evolution of the SCA and JTRS programs from the evolution of the specification to the fielding of some of the first JTRS SCA radios. MDE Systems Inc. is located in the United States. All of its employees are United States citizens. A large percentage of them have active clearances. More information can be found at the MDE Systems website: http://www.mdesystems.com.