



Kratos Successfully Commands Spacecraft Using the Air Force's Enterprise Ground Services Framework

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Demonstration Confirms TRL 8 Readiness of Kratos Enterprise Ground Services

SAN DIEGO, Jan. 30, 2019 (GLOBE NEWSWIRE) -- Kratos Defense & Security Solutions, Inc. (Nasdaq: KTOS), a leading National Security Solutions provider, announced today that it has commanded an on-orbit spacecraft using the U.S. Air Force's Enterprise Ground Services (EGS) framework. This demonstration directly follows on the heels of three successful pathfinder studies announced earlier by Kratos for migrating the Command and Control System – Consolidated (CCS-C) ground system to the EGS architecture. CCS-C provides consolidated Military SATCOM tracking, telemetry and command capability for 14th Air Force and 50th Space Wing.

The Kratos demonstration supports the Air Force's strategic approach to implementing a common service-based satellite ground infrastructure that will evolve current satellite ground systems into one platform. EGS is a critical enabling technology that is focused on a sustainable, resilient space architecture that can respond to emerging threats and protect space-based assets. Kratos EGS software and services commanded an on-orbit spacecraft and demonstrated multiple capabilities supporting the EGS framework. These included the EGS service paradigm and dynamically allocating satellite ground resources and executing deployment automation with the ability to spin up new satellite command and control instances in less than 10 minutes.

Larry Lind, Vice President of Kratos Federal Program, said, "These capabilities are critical to achieving a resilient EGS and the agility needed to survive the new realities of space. In the past, the demonstration of a new satellite ground command and control station has taken months and in many cases years to execute. The test and demonstration of this first live contact run out of the Space Mission Battle Lab was made possible in less than three weeks and its success validated TRL 8 readiness of Kratos EGS technology."

Technology Readiness Level (TRL) is a method of estimating technology maturity of critical technology elements of a program during the acquisition process.

Evidence of TRL 8 was proven in the following ways:

- Kratos Commercial Off-The-Shelf (COTS) software natively mapped into the EGS service paradigm.
- The deployment automation solution was shown to work on two different vendor technology stacks.
- Kratos EGS integration software completely decoupled each EGS service from all other services using the NASA Goddard GMSEC message bus.
- Kratos COTS software was utilized to demonstrate the implementation of EGS services including Telemetry and Command Processing, Automation, User Experience, Orchestration and a Range Interface.

TRL 8 readiness means that the actual system was completed and mission qualified through test and demonstration in an operational environment.

The entire test and demonstration was accomplished working cooperatively with Millennium Space Systems, A Boeing Company, and its on-orbit Pathfinder spacecraft, Swedish Space Corporation with its worldwide ground antenna network and the Air Force's Space Management Battle Lab (SMBL) in Colorado Springs, Colorado.

About Kratos Defense & Security Solutions

Kratos Defense & Security Solutions, Inc. (NASDAQ:KTOS) develops and fields transformative, affordable technology, platforms and systems for United States National Security related customers, allies and commercial enterprises. Kratos is changing the way breakthrough technology for these industries are rapidly brought to market through proven commercial and venture capital backed approaches, including proactive research and streamlined development processes. Kratos specializes in unmanned systems, satellite communications, cyber security/warfare, microwave electronics, missile defense, hypersonic systems, training and combat systems. For more information go to www.KratosDefense.com.

Notice Regarding Forward-Looking Statements

Certain statements in this press release may constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. These forward-looking statements are made on the basis of the current beliefs, expectations and assumptions of the management of Kratos and are subject to significant risks and uncertainty. Investors are cautioned not to place undue reliance on any such forward-looking statements. All such forward-looking statements speak only as of the date they are made, and Kratos undertakes no obligation to update or revise these statements, whether as a result of new information, future events or otherwise. Although Kratos believes that the expectations reflected in these forward-looking statements are reasonable, these statements involve many risks and uncertainties that may cause actual results to differ materially from what may be expressed or implied in these forward-looking statements. For a further discussion of risks and uncertainties that could cause actual results to differ from those expressed in these forward-looking statements, as well as risks relating to the business of Kratos in general, see the risk disclosures in the Annual Report on Form 10-K of Kratos for the year ended December 31, 2017, and in subsequent reports on Forms 10-Q and 8-K and other filings made with the SEC by Kratos.

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