

Northrop Grumman, AT&T and SEMPRE Demonstrate Next-Generation Flightline Maintenance Operations

SAN DIEGO – Jan. 30, 2024 – Northrop Grumman Corporation (NYSE:NOC), AT&T*, and SEMPRE (Secure EMP-Resilient Edge) demonstrated the ability to securely share sensitive, classified military data across geographies at high speeds. The demonstration showcased how flightline maintenance and sustainment can be digitally transformed to reduce time and costs associated with aircraft maintenance and repair.

Northrop Grumman integrated its secure communications solution into a commercially available augmented reality (AR) headset worn by an aircraft maintainer to transfer high volume, classified aircraft data across a SEMPRE 5G private network and AT&T’s 5G commercial network between Whiteman Air Force Base and Northrop Grumman facilities in Palmdale, California, and San Diego.

Experts:

Jenna Paukstis, vice president general manager, networked information solutions, Northrop Grumman: “In a combat environment, the ability to quickly troubleshoot aviation and ground vehicles to get them back in the fight is essential. The ‘Flightline of the Future’ is a next-generation digital solution providing U.S. forces with the capability to securely access information and subject matter experts right on the flightline to repair assets with speed and accuracy, reducing costs and increasing fleet readiness.”

Lance Spencer, client executive vice president, defense, AT&T: “We showcased how our commercial 5G wireless network combined with private networking services can transport and protect both Highly Classified information and Controlled Unclassified Information and provide the U.S. Department of Defense the networking foundation it needs for private mission use cases. The speed, security, reliability and scalability benefits are precisely what the Department seeks in its modernization efforts.”

Dr. Rob Spalding, chief executive officer, SEMPRE: “This demonstration proves advanced capabilities will be available to DoD units for deployed and in garrison requirements. SEMPRE’s deployable infrastructure helps Northrop Grumman deliver hardened connectivity and compute capability to the warfighter, even when the connection to the cloud is no longer available.”

Details:

The “Flightline of the Future” solution demonstrates how aircraft maintainers can securely connect with subject matter experts to perform maintenance and upgrades previously limited to information accessible only in a secure location.

The demonstration showed how combining commercially available AR headsets with commercial and private 5G networks can support defense-specific security solutions, processes, and data and provide for a best-of-breed solutions applicable in any domain.

About Northrop Grumman

Northrop Grumman is a leading global aerospace and defense technology company. Our pioneering solutions equip our customers with capabilities they need to connect and protect the world, and push the boundaries of human exploration across the universe. Driven by a shared purpose to solve our customers’ toughest problems, our employees define possible every day.

About AT&T*

We help more than 100 million U.S. families, friends and neighbors connect in meaningful ways every day. From the first phone call 140+ years ago to our 5G wireless and multi-gig internet offerings today, we @ATT innovate to improve lives. For more information about AT&T Inc. ([NYSE:T](#)), please visit us at [about.att.com](#). Investors can learn more at [investors.att.com](#).

About SEMPRE

SEMPRE connects, protects and secures what matters most: information and communication vital to critical infrastructure. To accomplish this, our team of security and digital infrastructure experts set out to tackle every aspect of what modern communications should offer users: security, resiliency, high-performing edge compute and survivability. With a focus on innovation and a commitment to excellence, SEMPRE is dedicated to providing solutions that enhance the nation's security and help secure a safer future for all.

CONTACT Katelin Ritchhart

COMPANY [SEMPRE.ai](#)

EMAIL kritchhart.ctr@sempre.ai