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ATO Achieved Through Collaborative Cyber Ready Pilot Between Navy and G2 Ops

Virginia Beach, VA, USA (31 July 2025) – G2 Ops, a recognized leader in cybersecurity and digital engineering, announced the successful completion of a major Cyber Ready pilot effort, resulting in the issuance of an Authorization to Operate (ATO) under the Department of the Navy's Cyber Ready framework.

This collaborative milestone between G2 Ops and the Navy represents one of the first instances of a major Navy tactical system achieving a Cyber Ready ATO. The effort has set a precedent for how mission-critical platforms can meet modern cybersecurity requirements and provides a successful pathfinder for the Department of Defense (DoD) "RMF Revamp" initiative. Pilot efforts such as these enable warfighters to take steps toward a future state aligned with Navy cybersecurity objectives.

The ATO validates the effectiveness of G2 Ops' tightly integrated suite of Digital Engineering and Model-Based Systems Engineering (DE/MBSE) services, in tandem with its innovative cybersecurity technologies, in addressing the evolving demands of operational cyber resilience. By combining security-focused engineering with DE/MBSE and leveraging toolsets developed by G2 Ops under the Small Business Innovation Research (SBIR) program, G2 Ops and the Navy worked side-by-side to deliver a mission-aligned Body of Evidence (BOE) that supports continuous authorization and mission-based risk assessment.

Cyber Ready is a mission-focused, risk-informed approach to cybersecurity that transforms it from an isolated compliance phase into a core element of system development and lifecycle management. Unlike the traditional Risk Management Framework (RMF), which relies on point-in-time documentation and checklist-based compliance, Cyber Ready emphasizes continuous risk evaluation, real-time operational alignment, and embedded cyber assurance within authoritative system models. DE/MBSE enables this shift by serving as the system's source of truth, allowing cyber artifacts and risk data to evolve in lockstep with system design.

"This milestone proves that DE/MBSE is the pathway to Cyber Ready and a key enabler of the overall RMF Revamp initiative," said Dean Smith, Vice President of Security Engineering and Enterprise Integration at G2 Ops. "By embedding cybersecurity directly into authoritative system models, we have enabled real-time risk visibility, continuous assurance, and faster, smarter decisions. It's not just about compliance. It's about building systems that are secure by design and resilient in operation."

G2 Ops' DE/MBSE-driven approach enables real-time risk evaluation, mission-focused threat prioritization, and model-based cyber traceability. G2 Ops tools like Strategic Optics for Intelligent Analytics (SOFIA) and Monarch further complement this approach. SOFIA delivers operationally relevant risk scoring to inform decision-makers, while Monarch streamlines the creation and maintenance of cybersecurity artifacts directly from live system models.

This successful Cyber Ready pilot highlights the power of a repeatable methodology and supporting tools that balance speed, rigor, and technical transparency – positioning cybersecurity as a force multiplier rather than a barrier.

G2 Ops leverages over a decade of experience integrating Systems, Cybersecurity, and Software Engineering techniques to provide solutions to a growing list of Government and private customers. We combine cutting edge tools with innovative engineering practices, data analytics, and risk algorithms that enhance visibility into complex infrastructures, optimizing resiliency in system design and operations.

G2 Ops is a woman-owned small business led by an executive staff known for providing innovative solutions to solve our nation's most complex engineering challenges. G2 Ops has been named to the Inc. 5000 list of America's fastest growing companies each of the last 7 years (2018-2024) and has locations in Arlington, VA, Virginia Beach, VA, and San Diego, CA.