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G2 Ops CUSA 2026 Primer: Bringing Mission-Ready MBSE, Cybersecurity, and Digital Engineering Expertise to Reno

G2 Ops is excited to attend and present at CATIA User Symposium Americas 2026, where the CATIA and 3DEXPERIENCE communities will gather in Reno to explore the future of engineering, including Generative Engineering AI, Model-Based Systems Engineering (MBSE), SysML v2, complex systems, modeling, simulation, and digital manufacturing. The event emphasizes real-world customer stories, hands-on learning, and cross-disciplinary collaboration for organizations solving today's most complex engineering challenges.

For G2 Ops, CUSA 2026 is more than a conference; it is an opportunity to connect with the digital engineering community and share how our team applies MBSE, cybersecurity, cloud engineering, and mission-focused analytics to help government and defense customers move faster, reduce risk, and make better decisions across the systems engineering lifecycle.

Who We Are: Digital Engineering for Mission-Critical Environments

G2 Ops delivers leading-edge, AI/ML-enabled Model-Based Systems Engineering, modeling, cybersecurity, cloud engineering, and strategic support solutions. Our work is built around helping customers modernize engineering processes, integrate data, automate analysis, and improve the quality and speed of decision-making for complex systems.

Our teams support mission environments where technical complexity, cyber compliance, and operational urgency intersect; this includes work for and with key defense customers and stakeholders such as the U.S. Navy, the U.S. Air Force, and the U.S. Space Force.

Across those environments, G2 Ops brings practical experience in:

- MBSE and digital engineering
- Cybersecurity and Risk Management Framework (RMF) automation
- Cloud engineering for hybrid, single-cloud, and multi-cloud environments
- Security engineering for DoD critical infrastructure
- Strategic support, process maturation, and operational improvement
- AI/ML-enabled analysis and mission-focused software products

Our footprint spans Arlington, Virginia Beach, and San Diego, with customer locations including San Diego, CA;, El Segundo, Norfolk, VA; Newport, RI; Washington, D.C.; and Charleston, SC.

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Why MBSE Matters Now

Modern defense systems are too complex, interconnected, and cyber-dependent to manage effectively through static documentation alone. Requirements, interfaces, vulnerabilities, mission threads, architectures, and authorization artifacts must be connected in ways that allow engineering teams to understand impact, assess risk, and move with confidence. This is where MBSE delivers value, and G2 Ops has more than a decade of experience applying MBSE tools and methodologies to optimize complex engineering activities.

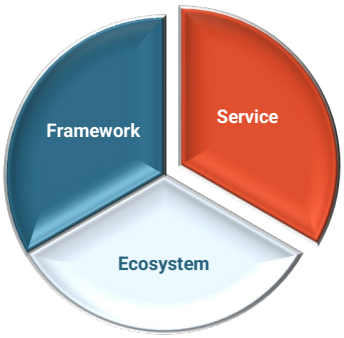
At CUSA 2026, where advanced MBSE practices for complex systems are a central agenda focus, G2 Ops will bring a practitioner's perspective: how MBSE becomes most powerful when it is connected to cyber analysis, automation, operational workflows, and measurable mission outcomes.

The G2 Ops Gold Standard Methodology™

At the center of our MBSE approach is the G2 Ops Gold Standard Methodology™, or GSM™.

The GSM™ is G2 Ops' structured methodology for delivering MBSE solutions through engineering experience, efficiency-driven innovation, quality-minded processes, and automated, accelerated, and advanced services for customers.

The methodology is built around three integrated components:



GSM™ Framework

The GSM™ Framework provides a foundational common model schema that promotes clarity, consistency, and repeatability throughout a project. It gives engineering teams multiple implementation paths to meet customer needs, challenges, expectations, and environments.

GSM™ Ecosystem

The GSM™ Ecosystem includes ready-to-use software applications, reusable reports, plugins, and analytical tools that support engineering and cyber design, integration, compliance, and analysis. It also helps automate MBSE model and diagram generation, reduce kickoff timelines, accelerate digital engineering goals, and expand the level of engineering and cyber analysis customers can perform.

GSM™ Service

The GSM™ Service is how G2 Ops' MBSE architects and systems engineers work with customers to tailor the framework and ecosystem into real operating environments. This includes MBSE project kickoff strategies, integration into customer processes, and training to support long-term success.

Together, the Framework, Ecosystem, and Service allow G2 Ops to move beyond "modeling for modeling's sake." Our focus is on creating mission-ready models that support engineering analysis, cyber compliance, lifecycle management, integration, and decision advantage.

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Purpose-Built Software for Digital Engineering and Cyber Analysis

G2 Ops also develops MBSE-based software tools that leverage digital engineering methodologies and best practices to drive efficiency, employ automation, solve complex problems, and provide advanced analytics for real-time decision makers.

Our software and innovation portfolio includes capabilities such as:

- SOFIA — a mission-based cyber risk assessment tool enabling automated analytics, model correlation, and continuous cyber posture awareness
- MONARCH – a Cameo Systems Modeler plugin that automates the RMF process
- IRIS — a cyber analysis tool that evaluates overall system resilience and prioritizes critical infrastructure defense
- KERMT – a modeling tool enabling key insights into mission capabilities through comprehensive modeling of current and future system configurations

These tools reflect a core G2 Ops principle: MBSE should not stop at architecture. It should enable analysis, automation, compliance, cybersecurity, integration, and operational insight.

What G2 Ops Is Bringing to CUSA 2026

CUSA 2026 is focused on the future of engineering with CATIA and the 3DEXPERIENCE platform, including MBSE, SysML v2, generative engineering AI, modeling, simulation, and collaboration across engineering disciplines.

G2 Ops is bringing experience that aligns directly with that future:

A mission-first MBSE perspective.

We understand how to build models that support engineering decisions, not just documentation requirements.

Cybersecurity integrated into digital engineering.

Our approach connects systems models, cyber analysis, RMF artifacts, and authorization workflows.

Automation that reduces schedule pressure.

Our GSM™ Ecosystem is designed to reduce kickoff timelines, accelerate digital engineering goals, and shorten engineering and cyber authorization timelines.

Defense customer experience.

We bring proven expertise supporting organizations and mission communities tied to USN, USAF, and USSF.

A measurable record of impact.

Our work has demonstrated outcomes such as **44% faster RMF package generation and baseline timeline reduction** in support of cyber accreditation activities.

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Let's Connect at CUSA 2026

If you are attending CUSA 2026 and are working through MBSE adoption, SysML implementation, cyber accreditation challenges, RMF automation, digital thread development, model governance, or complex systems integration, we would welcome the opportunity to connect.

G2 Ops helps customers turn digital engineering ambition into mission-ready capability. At CUSA 2026, we look forward to sharing what we have learned, learning from the broader CATIA and 3DEXPERIENCE community, and continuing to advance the future of MBSE for complex, cyber-resilient systems.

Connect with G2 Ops at CUSA 2026 to learn how our Gold Standard Methodology™, MBSE expertise, and cybersecurity automation capabilities can help accelerate your digital engineering mission.