

Best-in-Class

CYBER

END-TO-END CYBER SOLUTIONS THAT PROTECT CRITICAL SYSTEMS, OUTPACE EVOLVING THREATS, AND ENABLE SECURE OPERATIONS ACROSS EVERY DOMAIN—LAND, SEA, AIR, SPACE, AND CYBER.

Whether protecting the critical company infrastructure or the front lines, Astrion's innovative approach minimizes disruptions, accelerates recovery with predictive analytics and secures customers' data, systems, and platforms, as well as the nation's critical infrastructure.

Comprehensive Cyber Defense:

Astrion delivers full-spectrum cybersecurity for enterprise and in-theater operations, providing:

- **Threat & Risk Assessments** – Identify vulnerabilities and security gaps.
- **Incident Response & Recovery** – Rapidly contain and mitigate cyber threats.
- **Situational Awareness** – Real-time monitoring to detect and respond to risks.
- **Compliance & Policy Development** – Ensure regulatory alignment and security best practices.
- **Cybersecurity Training** – Empower teams with expert guidance.

Enterprise & Mission Cybersecurity:

Cyber Assessment

- **Supply Chain Risk Management:** Identifying and mitigating risks from third-party vendors to secure the end-to-end supply chain.
- **Vulnerability Assessment:** Detecting system and network weaknesses exploitable by cyber threats.
- **Compliance Auditing:** Ensuring adherence to regulatory standards and best practices.
- **Cybersecurity Risk Analysis:** Evaluating threats and vulnerabilities to assess potential impact.
- **Policy & Regulatory Guidance:** Developing cybersecurity policies aligned with industry regulations.

Cyber Training

- **Cybersecurity Training:** Educating personnel on best practices, threat awareness, and response.
- **Policy & Regulatory Guidance:** Crafting security policies to meet regulatory requirements.
- **Risk Assessment:** Lead and support Mission-Based Risk Assessment Process for Cyber (MRAP-C) and Tabletop Mission-Based Cyber Risk Assessment (TMCRA).

Cyber Response

- **Incident Response & Recovery:** Containing threats, restoring operations, and strengthening defenses.
- **Situational Awareness:** Monitoring emerging threats to enable proactive security measures.

Customers Supported:

- U.S. Air Force (USAF) 96th Cyberspace Test Group
- USAF PEO Business Enterprise Systems
- U.S. Army Redstone Test Center
- USAF PEO Digital Air Force F-15 Program Office
- NASA Kennedy Space Center – Artemis Program
- Nuclear Regulatory Commission (NRC) – Enterprise-Wide Support
- Department of Homeland Security – Office of the Inspector General

Proven Cybersecurity Success:

NASA Kennedy Space Center – Artemis

Providing security with adaptive risk assessments, proactive threat mitigation, and AI-powered monitoring. We prevent breaches, detect threats in real time, and ensure compliance through automated data sanitization. Our rapid incident response minimizes downtime and restores operations swiftly. Astrion's AI and automation deliver unmatched efficiency in protecting space missions.

Air Force 96th Cyberspace Test Group

Protecting combat systems through a rigorous Cyber T&E process, conducting MBCRAs, CVIs, ACDs, CVPAs, and assisting NSA Red Teams. We perform penetration testing on aircraft avionics and weapons platforms, ensuring cyber resilience. Our efficient cybersecurity assessments streamline RMF updates, reduce disruptions, and enhance risk management. Innovative threat simulations accelerate ATO decisions, securing mission success. Astrion's AI-driven threat modeling enables faster, smarter cyber defense strategies.

Nuclear Regulatory Commission

Developing streamlined regulatory guidance, conducting targeted inspections, and creating inspector training that's nationally recognized for its impact. Internally, efforts focus on modernizing compliance with FISMA through automated assessment tools, risk-based methodologies, and agile policy development. Continuous monitoring, advanced penetration testing, and active support for the Configuration Control Board ensure systems remain secure and resilient—minimizing downtime and maximizing operational integrity through innovative, data-driven practices.

Our People:

Our expert engineers, analysts, and technical specialists push the boundaries of innovation to solve the toughest challenges in national defense.

- **Uncovering Vulnerabilities:** Rigorously testing complex weapons systems to expose weaknesses before adversaries can exploit them.
- **Fortifying Cyber Defenses:** Countering evolving cyber threats with cutting-edge adversarial testing and digital hardening.
- **Pushing Unmanned Systems Beyond Limits:** Stress-testing autonomous technologies to ensure operational excellence.
- **Validating Space Launch Technologies:** Evaluating launch platforms under extreme conditions, from scorching heat to subzero cold.
- **Securing Critical Infrastructure:** Performing cybersecurity assessments to ensure compliance with NRC's regulations for the nuclear power industry.

Tools:

- Vigilant Core™
- Cyber Drill™

CONTACT

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