



AIAA Aerospace Cybersecurity Working Group Charter

Version	Revision date	Revisions Made by
Ver1	30 March 2026	Rick Linger, Gabe Elkin

1. Committee Name

Aerospace Cybersecurity Working Group (ACWG).

2. Scope

In recognition of growing cybersecurity threats to aerospace systems, the vision of the Aerospace Cybersecurity Working Group is to serve as a cybersecurity center of competence within the overall mission of AIAA. The ACWG objective is to enable organizations to ensure the security, safety, cyber-physical resilience, confidentiality, integrity, and availability of aerospace systems and data.

ACWG is composed of AIAA members with extensive cybersecurity expertise. ACWG will continue to recruit participants with relevant knowledge and experience, and provide cybersecurity-focused support for AIAA conferences and publications, including technical sessions, panels, and professional education and training activities. ACWG will advance integration of cybersecurity into aerospace systems engineering, safety assurance, certification, and operational risk management across the system lifecycle.

ACWG will facilitate knowledge exchange among aerospace cybersecurity stakeholders and disseminate insights into the broader aerospace community to raise awareness of the evolving global threat environment, mindful of ethical and responsible use considerations.

3. Governance

ACWG is a subcommittee within the Information Systems Group.

4. Roles and Responsibilities

4.a. The ACWG mission encompasses nine specific cybersecurity focus areas:

Cybersecurity and Resilience Awareness

Increase awareness within the broader aerospace community that we operate in a contested cyber domain populated by highly capable adversaries. Address cyber and cyber-physical threats, system vulnerabilities and risks, and cybersecurity countermeasures and resources. Aerospace missions, systems, and operations require a new level of resilience and assurance, particularly for AI-enabled and autonomous systems, advanced air mobility, and complex aviation and space operations.

Conferences and Publications

Support cybersecurity tracks, sessions, panels, and technical papers for AIAA conferences. Encourage development of cybersecurity articles including for AIAA Aerospace America.



Cybersecurity Papers and Best Practices

Develop and publish cybersecurity position and white papers. Identify recommendations and best practices for aerospace cybersecurity practitioners. Create a brochure for conference distribution.

Organizational Bridging

Promote cooperative interaction across government, industry, and academic participants to facilitate technical exchange, foster innovation, and accelerate cybersecurity technology adoption.

Trusted Cybersecurity Authority

Serve as an independent and authoritative source for aerospace cybersecurity matters through active recruitment and engagement of SMEs across industry and government organizations.

Cybersecurity Education

Educate aerospace professionals in cybersecurity threats, risks, and best practices through sessions at AIAA conferences, educational recommendations, workforce development guidance, and collaboration with academic and training partners.

Recruiting and Outreach

Recruit cybersecurity SMEs to maintain ACWG capability and competence. Work with other AIAA TCs to raise awareness of cybersecurity threats, risks, and countermeasures.

Public Policy

Develop cybersecurity recommendations in support of congressional testimony and public policy activities of AIAA. Assist AIAA to understand and articulate the new theater of cyber conflict.

Standards and Certification Engagement

Support development, interpretation, and harmonization of aerospace cybersecurity standards, guidelines, and certification practices. Engage with standard bodies, regulators, and advisory committees to offer technical input and facilitate alignment of research, operations, and policy.

4.b. TBD. List the administrative/functional activities of the committee (such as administer an award process)

4.c. The ACWG does not currently issue awards.

5. Leadership

As a working group, leadership of the ACWG is appointed by the ISG. There are two leadership positions: Chair and Deputy Chair.

6. Structure

ACWG currently has no subcommittee structures.

7. Membership



The ACWG draws its participants from the AIAA membership community. It focuses on technical activities involving aerospace cybersecurity and resilience within the overall mission of the AIAA. There is no term associated with participation in the ACWG.

8. Meetings

Monthly online membership meetings are conducted to manage and coordinate activities. In-person/hybrid meetings at SciTech and other AIAA conferences.

9. Committee Website

TBD. List link to the AIAA Engage website for the committee.

10. Charter Revision

The committee's charter should be reviewed every two years as the chair takes office and updated if appropriate.