

# Cybersecurity Solutions

Protect your data while in flight  
Elevate your organizations cybersecurity



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# Cyber threats are on the rise. Are you protected?

Satcom Direct's robust network infrastructure combined with our in-house certified cybersecurity experts and multipoint solutions approach to cybersecurity give you and your team complete confidence that your sensitive data and the privacy of your communications is safe, no matter when or where you are flying. Our comprehensive cyber services, provide robust protection against cyber threats, empowering you to focus on your business objectives/mission while we defend your digital assets.

In order to safeguard your organization against a cyber attack, it is essential to possess comprehensive knowledge about the threat landscape and have clear visibility into your operations. This must be complemented by employing appropriate technologies, policies, procedures, and controls.



## SD Cybersecurity Approach

Satcom Direct recognizes that organizations invest a significant amount of capital to protect their sensitive data, but the fight goes far beyond the capabilities of Off the Shelf (OTS) antivirus solutions. Your organization's data is vulnerable on two fronts. The primary aspect is the technology environment. Despite having highly secure devices and up-to-date security software, the constant challenge is to stay ahead of hackers. The second front in the cybersecurity battle is human error. Even when your IT department implements all the necessary measures to safeguard the company, breaches often occur due to simple mistakes made by employees or vendors.

SD offers your organization a tailor-made solution by thoroughly analyzing your digital landscape, identifying threats and vulnerabilities, and addressing these enterprise risks at their core through a comprehensive, layered cybersecurity approach.



# SECURITY RISK ASSESSMENT & NETWORK DISCOVERY

A 12-question self-assessment followed by a free phone consultation with an SD cybersecurity expert.

To enhance the safety of your aircraft, the initial measure involves assessing existing policies and procedures, recognizing successful practices, and identifying potential areas that can be improved. This process of discovery is essential for comprehending the significance of cybersecurity, as it establishes a benchmark for how your company presently manages IT security.

To begin the process, all you need to do is complete and submit SD's self-assessment form. Upon receipt, the SD Cybersecurity team will examine your network's status and current security protocols. Additionally, we offer a complimentary 30-minute phone consultation to provide you with initial recommendations on addressing any identified risks.



*"There are only two types of companies: Those that have been hacked and those that will be hacked."*

*Robert S. Mueller, III  
Former Director of the FBI*

The aim of this process is to provide you with a comprehensive assessment of your security system's strengths and weaknesses. Together, we will examine the following aspects:

- Your cybersecurity policies, processes, and procedures.
- The configuration of the flight department's network, including equipment, VLAN usage, and data collection processes.
- The usage of passengers' mobile devices onboard the aircraft.
- The destinations the aircraft frequently travels to.
- The evaluation and monitoring of vendors.

Armed with this information, we can assist you in formulating and implementing best practices and effective solutions to address any identified gaps. Following the consultation, you will not only have a more secure system but also gain the knowledge and confidence necessary to ask pertinent questions and play an active role in safeguarding your flight department.

# SD's RISK ASSESSMENT SERVICE

Identifying risks and vulnerabilities is proactive, making the Flight Department the first line of defense is critical



## Personalized Consultation

## Onsite Risk Assessment

Due to our collective experience in the industry, SD understands business aviation's unique vulnerabilities and is thus well-positioned to review and evaluate your company's cybersecurity status. With SD's Security Risk Assessment service, our security experts come to your location, evaluate your network and current security processes, identify any vulnerabilities, educate your team and make recommendations on how to address technology- and human-based risks.

The SD Risk Assessment service helps you understand and identify threats to your environment – both on-wing and at the hangar – including:

### Onsite Risk Assessment of aircraft network

Review policy

- Document review

System configuration review

Penetration testing

- Network sniffing
- Vulnerability scanning
- Wireless scanning (active & passive)
- Bluetooth scanning

Target vulnerability validation

- Password cracking
- Port scanning
- Host scanning
- Social engineering

As part of the assessment process, we also recommend training courses that members of the flight department can take, including SD's Aviation CyberThreat Awareness course.



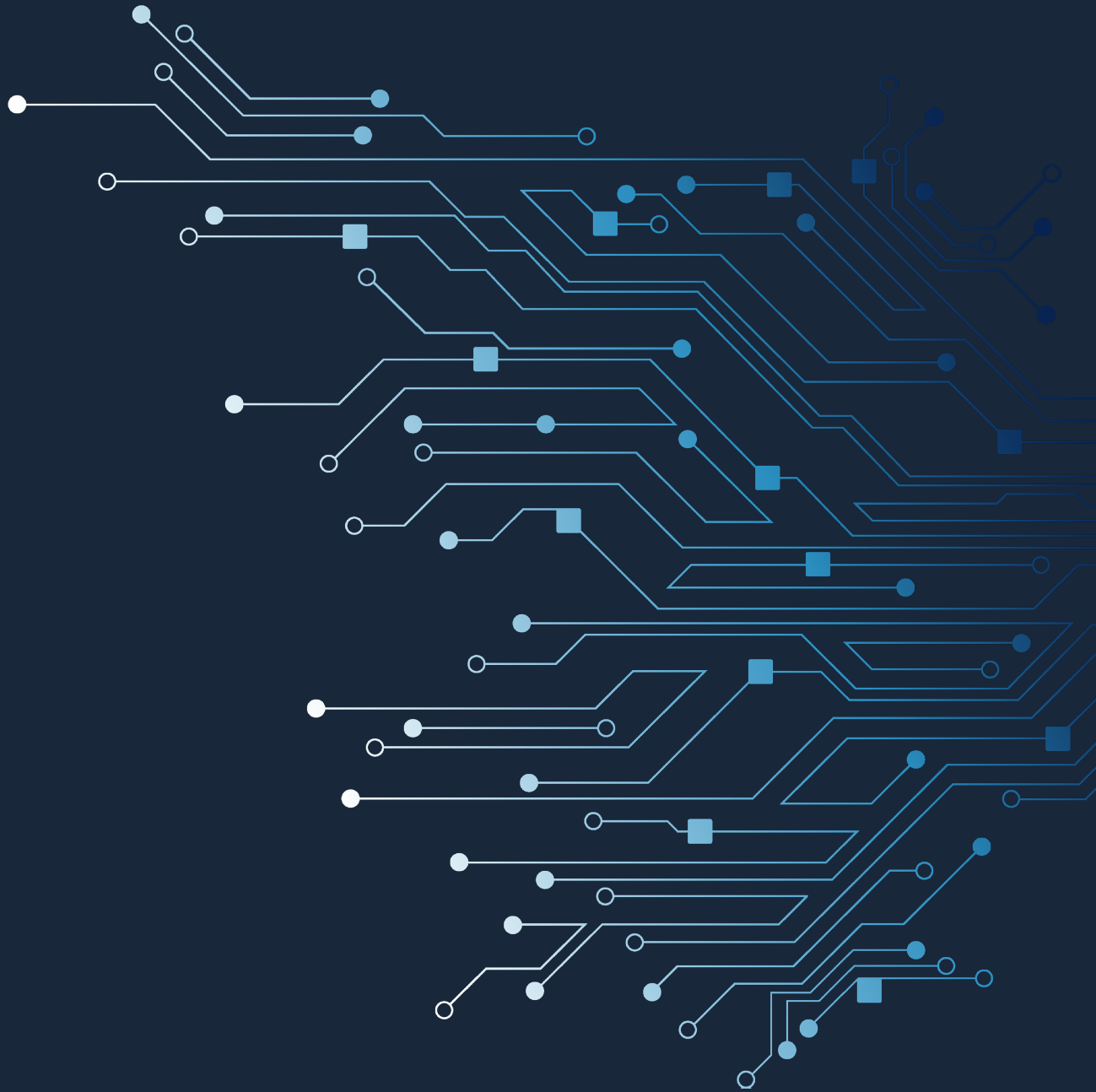
Services	Level: Threat Monitoring	Level 2: Advanced Encrypted Network	Level 3: SD Private Network
Managed Threat Monitoring	✓	✓	✓
Intrusion Detection & Prevention (IDS/IPS)	✓	✓	✓
Malicious content detection and blocking	✓	✓	✓
Realtime event notification and alerting	✓	✓	✓
Incident Response	✓	✓	✓
SD Pro cyber event logging and reporting	✓	✓	✓
Enhanced security, visibility, and control over the aircraft network		✓	✓
Customized aircraft network configuration		✓	✓
All sensitive traffic encrypted and accelerated		✓	✓
Multiple SSIDs for VIP, Guest, Crew, and others		✓	✓
Per device threat detection, blocking, & correlation events		✓	✓
Traffic is anonymized and egressed out one of SD's secure data center locations		✓	✓
Incident response for events flagged critical		✓	✓
Extension of corporate network security policies to the aircraft			✓
Custom aircraft network configuration based on corporate security policy and compliance requirements			✓
Separate WiFi network SSIDs for corporate, guest and other networks			✓
Traffic encrypted and delivered to your corporate network allowing you to manage the network the way you want to			✓
Designated traffic is encrypted and accelerated off the aircraft through an IPsec tunnel			✓
Guest and other non-corporate traffic egressed out SD Data Center still interrogated for malicious activity			✓

## Compliance and Certification

Satcom Direct offers a range of security solutions designed specifically for the flight department. The first step toward better protecting your aircraft is to evaluate current policies and procedures – identifying what you are doing right and potential areas for improvement. Satcom Direct offers tools to help you determine the best fit for your flight department.



# Cybersecurity Solutions



## For more information

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