

# PREPARE & PREVENT

The SD Comprehensive Cybersecurity Portfolio for Business Aviation



SD





## SD CYBERSECURITY SERVICES

At SD, security isn't a slogan, it is our culture. Just because you are in a business jet at forty thousand feet doesn't exempt you from a cyber threat. Your company's data security is vulnerable on two fronts. First is the technology environment. Even with the most secure devices or the latest security software, it's always a matter of trying to stay one step ahead of the hackers. The second front in the battle for cybersecurity is human error. Even if your IT department is doing everything right to protect the company from an attack, a breach often happens because of a simple error by an employee or vendor.

To protect your company from a cyber-attack, you need to have an understanding of the threat landscape and visibility of your operations coupled with the right technologies, policies, procedures, and controls.



***"Cyber is uncharted territory. It's going to get worse, not better."***  
**- Warren Buffett**

SD offers the industry's most comprehensive portfolio of security services:



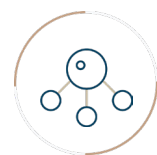
NETWORK  
DISCOVERY



SECURITY RISK  
ASSESSMENT



RISK MITIGATION  
& THREAT  
MONITORING  
SERVICES



THE SD  
PRIVATE  
NETWORK  
(SDPN)





## NETWORK DISCOVERY

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

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. Discovery helps you understand the importance of cybersecurity by establishing a baseline of how your company currently handles IT security.

To get started, simply fill out and submit SD's self-assessment form. Once received, the SD Cybersecurity team will evaluate your state-of-the-network and current security processes. We will also provide a free 30-minute phone consultation to give you initial recommendations on how to fix any identified risks.

***“Cyber crime, by definition, is the greatest threat to every profession, every industry, every company in the world.”***

***- Ginni Rometty, IBM President & CEO***



The goal of this process is to help you get a complete picture of your security system's strengths and weaknesses. Together we will look at:

- Your cybersecurity policies, processes and procedures
- The setup of the flight department's network including equipment, use of VLANs and data collection processes
- How passengers use their own mobile devices onboard the aircraft
- Where the aircraft travels
- How vendors are evaluated and monitored

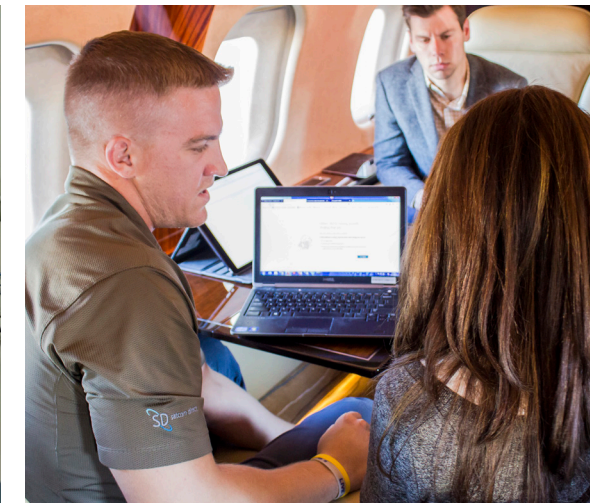
With this information, we can help you develop and implement best practices and solutions for closing any identified gaps. After the call, you'll not only benefit from having a more secure system, you'll also be equipped with the information and confidence you need to ask the right questions and take a role in protecting your flight department.

## SECURITY RISK ASSESSMENT

SD's security experts come to your business and perform a comprehensive cyber security assessment.



Onsite Risk Assessment



Personalized Consultation

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 certified CyberSAFE (Securing Assets for End Users) course.





## RISK MITIGATION & THREAT MONITORING SERVICES

Real-time monitoring of your data traffic to detect, identify & mitigate incoming threats



***“230,000 new malware samples are produced every day — and this is predicted to only keep growing.”***  
- Panda Security

The challenge with cybersecurity threats is that they are constantly evolving. Luckily, with SD's Risk Mitigation and Threat Monitoring Services, our in-house team of security experts proactively monitors your network to detect – and block – intrusion attempts in real time.

SD not only provides you with a state-of-the-art intrusion detection system, we take it one step further and include intrusion prevention. We don't just let you know that a security event is happening, we take immediate steps to stop it and track down the root cause.

To protect against known cybersecurity risks, SD offers a variety of enhanced threat analysis and prevention solutions, such as:

- Enterprise firewall
- Antivirus
- Intrusion prevention system
- Data filtering and file blocking
- Modern malware protection
- URL filtering
- Threat intelligence services

With SD's subscription-based Risk Mitigation and Threat Monitoring Services, you can feel confident knowing that we are not only monitoring your traffic and identifying potential threats, but also taking the necessary steps to stop them.

## SD PRIVATE NETWORK (SDPN)

The SD Private Network routes encrypted data from the aircraft back to corporate headquarters – without ever touching the public internet.

### WHY TAKE THE RISK?

The SDPN eliminates the need for passengers to use individual VPN connections. Think of it as another layer of defense against the human factor. With SDPN, all your airborne data traffic can be delivered from the aircraft directly to your corporate network, bypassing public routing over the internet. You can then apply your corporate security policies to handle, block or deliver information according to your specifications. With SDPN, you make your aircraft on-board network operate as an extension of your corporate office.

### HOW IT WORKS

The SDPN is a global communications framework that interconnects with satellite connectivity providers via the SD Data Center and SD's multiple points of presence (POPs), worldwide. This allows the application of SD proprietary value-added services to:

- Improve data throughput
- Filter unwanted data transmissions to and from the aircraft

As a direct result of these enhancements, you get a better user experience than any other service provider can offer - even over the same network. With POPs located in the US and Europe, SD offers flexible routing and addressing options to meet various corporate policies and regulatory requirements.

### GOING THE EXTRA MILE: THE SD DATA CENTER

SD is the only data provider in business aviation that operates a wholly-owned data center dedicated to safeguarding your connectivity and communication streams. The SD Data Center is the foundation for all of Satcom Direct's services and the base from which we can help you build a tailored cybersecurity strategy.

The SD Data Center is a 25,000 sq. ft. purpose built facility that meets Tier III standards, complies with major industry requirements, and is designed to withstand a Category 5 hurricane. In other words, your data is safe here.





## **WHEN A HACKER STRIKES YOUR AIRCRAFT, ARE YOU READY?**

The unfortunate reality is that it's not a matter of IF  
a breach will occur, but WHEN.

No other company in business aviation has invested more in cybersecurity than SD. SD's Cybersecurity team combines experience and expertise, providing solutions to help bolster your flight security practices - from cockpit to cabin and beyond.

## **TO LEARN MORE**

Contact our team at +1 321.777.3000  
Email us at [cybersecurity@satcomdirect.com](mailto:cybersecurity@satcomdirect.com)  
Visit our website at [satcomdirect.com](http://satcomdirect.com).