



# ARGUS AVIATION CYBER SECURITY SERVICES



Argus, a Continental company, delivers a range of security services to help OEMs, airlines and IFEC providers understand the cyber threat landscape, risks, and vulnerabilities and strengthen their security posture.

As modern aircraft become increasingly connected they are becoming increasingly attractive targets for hackers. Argus' security services help OEMs, Tier 1s, IFEC manufacturers and airlines integrate cyber security practices and processes throughout the development and operation of their airborne systems. Argus services comply with regulation guidelines enabling our customers to obtain a supplemental type certificate (STC).



## THREAT ANALYSIS AND RISK ASSESSMENT (TARA)

Argus threat analysis and risk assessment services identify the assets, threats, and vulnerabilities in a target system, map potential risk scenarios and provide the risk level associated with each threat scenario based on its likelihood and impact.

Argus TARA projects provide our customers with a detailed report that includes recommendations to mitigate the overall risk. Argus TARA is performed according to the aviation industry's best practices and general standards of compliance, DO 326A/ ED 202A and DO 356A/ ED 203A.



## VULNERABILITY ANALYSIS

Argus research team analyzes the system architecture to find security weaknesses within the airborne systems.

Argus provides customers with a comprehensive report of the vulnerabilities and recommends actionable steps to close the security gaps and reduce the risk.



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## PENETRATION TESTING

Argus tailors each penetration test (PT) according to the security objectives of our customers. Penetration tests can vary from an initial assessment of existing security mechanisms to comprehensive vulnerability scanning of an entire system (e.g. IFEC) or a specific target component (e.g. LRU).

At the completion of the test, customers receive a detailed report that includes the probability and impact of exploitation of each vulnerability with recommendations for improving the cyber resilience of the target system and overall system security.



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## SECURITY REQUIREMENTS SPECIFICATION (SRS)

Argus cyber experts work with customers to create a set of tailored cyber security requirements. Based on customer inputs, the Argus research team defines the features and methodologies through which customer cyber-security objectives can be met. Included in the service, Argus provides verification and validation methodologies that

will help customers maintain and monitor that the cyber security specifications are met.

For the most effective results, Argus Security Requirements Specification (SRS) services should be introduced at the earliest possible stage of design.



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## AIRCRAFT NETWORK SECURITY PROGRAM

Argus consultants work with airlines to create and implement an Aircraft Network Security Program (ANSP) in compliance with the Federal Aviation Authorities OpSpec D301 Aircraft Network Security Program.

In accordance with the program, Argus works with customers to build cyber security policies and processes, such as: managing aircraft certificates, continuous security audits of aircraft networks, and more.

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### ABOUT ARGUS CYBER SECURITY

Argus, a global leader in automotive cyber security, provides OEMs, Tier 1s and airlines, scalable, end-to-end solutions and services that protect private and commercial aircraft and vehicles against cyber attacks. Ranked number one in third-party evaluations, Argus technologies are built on dozens of granted and pending patents and rely on decades of experience in both cyber security and the aviation and automotive industry. Argus' customers include the world's largest OEMs and Tier 1 suppliers, and its partners include leading industry players. Founded in 2013, Argus is headquartered in Tel Aviv, Israel, with offices in Michigan, Silicon Valley, Stuttgart, Tokyo and Shanghai. Argus is a subsidiary of Continental, a leading automotive supplier.



For more information, go to [www.argus-sec.com/aviation](http://www.argus-sec.com/aviation)