

Application: 5219

Aselsan Cyber Security Team

**Page: General Information**

Provide information about the company to be considered for the award. If you will be nominating an individual, specify the nominee's employer.

**Name of Organization/Company**

Aselsan

**Additional Contacts**

I do not wish to list additional contacts

**Page: Entry Information**

**Entry Title**

Aselsan Cyber Security Team

**Category**

Q08b. Technology Team of the Year - Information Technology - Cybersecurity

**Technology Team Submission Format**

Written Answers

**a. Briefly describe the nominated technology team: its history and past performance (up to 200 words). Required**

Aselsan's Cyber Security Team is driven by the need to protect the organization's critical assets and sensitive data from increasingly sophisticated cyber threats. The growing complexity and frequency of cyber-attacks necessitate a proactive and multi-faceted approach to security. To address these challenges, the team focuses on several key needs:

**Effective Threat Detection and Response:** With evolving attack methods, there is a constant need for advanced monitoring and rapid response capabilities to detect and mitigate threats in real-time.

**Vulnerability Management:** Identifying and addressing security weaknesses through regular assessments and penetration tests is crucial for maintaining robust defenses against potential exploits.

**Compliance and Risk Management:** Ensuring adherence to industry standards and regulations, such as ISO 27001:2013 and ISO 22301:2019, is essential for protecting organizational data and maintaining regulatory compliance.

**Security Architecture Improvement:** Continuously enhancing IT security architecture and integrating new technologies are necessary to adapt to emerging threats and reinforce overall security posture.

**Employee Awareness and Training:** Educating employees through awareness programs and simulations helps in reducing human error and improving the organization's overall security resilience.

These needs drive the team's efforts to strengthen Aselsan's cybersecurity infrastructure and maintain a proactive stance against potential threats.

**b. Outline the technology team's achievements since the beginning of 2022 that you wish to bring to the judges' attention (up to 250 words). Required**

The Team has achieved remarkable success in advancing the organization's cybersecurity posture through several key initiatives:

**Enhanced Incident Detection and Response:** The team has developed advanced monitoring systems that provide real-time threat detection and rapid response capabilities. This has significantly reduced reaction times to cyber incidents and minimized operational disruption. Their implementation of automated response processes has led to a substantial increase in efficiency and a notable cost saving of over \$400,000 through the use of open-source software and self-developed scripts.

**Comprehensive Vulnerability Management:** Through rigorous vulnerability assessments and penetration tests, the team has identified and addressed numerous security weaknesses in Aselsan's systems and applications. Their proactive approach has strengthened overall security, reduced attack surfaces, and improved the organization's resilience against potential exploits.

**Successful Compliance and Risk Management:** The team has maintained high standards of compliance with key regulations, including ISO 27001:2013 and ISO 22301:2019. They have effectively managed compliance certifications and conducted thorough risk assessments, reinforcing the organization's adherence to industry best practices and regulatory requirements.

**Security Architecture Advancements:** The team has successfully integrated new security technologies and continuously improved the IT security architecture. These enhancements have bolstered Aselsan's defense capabilities, ensuring that the infrastructure remains robust and adaptable to emerging threats.

**Effective IT Security Awareness Programs:** The team has implemented comprehensive awareness programs, including phishing simulations and business continuity training. Their Capture The Flag competition engaged 260 employees, raising cybersecurity awareness and improving organizational resilience.

**c. Explain why the achievements you have highlighted are unique or significant. If possible compare the achievements to the performance of other players in your industry and/or to the team's past performance (up to 250 words). Required**

Enhanced Incident Detection and Response: The development of advanced monitoring and automated response systems has substantially improved Aselsan's ability to detect and address cyber threats swiftly. The notable cost savings of over \$400,000 from automation and self-developed scripts highlight the team's efficiency and resourcefulness. Compared to industry peers, who often struggle with slow response times and high operational costs, Aselsan's rapid response capabilities and cost-effective solutions position it as leader in cybersecurity efficiency.

Comprehensive Vulnerability Management: The team's proactive approach in identifying and addressing vulnerabilities strengthened Aselsan's security posture. Rigorous vulnerability assessments and penetration tests have minimized potential attack surfaces and mitigated risks effectively. This proactive stance contrasts sharply with industry trends where many organizations face significant security breaches due to delayed vulnerability management. Aselsan's commitment to continuous improvement in this area sets high standard for the industry.

Successful Compliance and Risk Management: By maintaining adherence to ISO 27001:2013 and ISO 22301:2019, the team has demonstrated a strong commitment to regulatory compliance and risk management. This achievement reflects a higher standard compared to industry norms, where compliance can often be a challenging and inconsistent aspect for many organizations. The team's consistent performance in managing certifications and conducting risk assessments underscores its dedication to upholding industry best practices.

Security Architecture Advancements: The successful integration of new security technologies and continuous improvement of the IT architecture have fortified Aselsan's defenses against evolving threats. This proactive enhancement is notable compared to competitors who may lag in updating their security infrastructure.

**d. Reference any attachments of supporting materials throughout this nomination and how they provide evidence of the claims you have made in this nomination (up to 250 words). Optional**

The supporting materials provided offer comprehensive evidence of the claims made throughout this nomination, demonstrating the significant achievements and capabilities of Aselsan's Cyber Security Team.

The Aselsan Cyber Security Team Details Document outlines the team's structure, detailing the Red Team, Blue Team, Risk and Compliance Team, and Enterprise Architecture Team. This document highlights the specific needs that drive the team, such as effective threat detection, vulnerability management, compliance adherence, security architecture improvements, and IT security awareness. This foundational document provides a clear overview of the team's organization and strategic priorities, supporting the claims of their comprehensive and structured approach to cybersecurity.

**Project Examples**

1. PowerBI Project Document: This document showcases the implementation and functionality of the PowerBI system, which tracks all computers and systems within Aselsan. It provides detailed insights into how the team has developed a robust monitoring and analytics platform to enhance visibility and control over the organization's IT infrastructure. The document demonstrates the team's capability in real-time incident detection and response, aligning with the highlighted achievement of enhanced monitoring systems.

2. USB Kiosk Project Document: This project aims to facilitate secure data transfer between USB memory devices and the Aselsan Closed Network. The document details the technical implementation and security measures integrated into the USB Kiosk solution, showcasing the team's innovative approach to securing data transfer processes. This project exemplifies the team's ability to develop and deploy advanced security technologies, supporting the claims of successful security architecture advancements.

**Webpage Link**

<https://www.aselsan.com/en> (<https://www.aselsan.com/en>)

**Would you like to add an additional webpage link?**

No

**Supporting Document**

Download File (<https://stevies-tech.secure-platform.com/file/68085/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWVpYUlkIjo2ODA4NSwiYWxs3dOb3RTaWduZWRVcmwiOiJGYWxzZSI6ImInbm9ASELSAN%20-%20Q08%20Technology%20Team%20of%20the%20Year%20-%20Aselsan%20Cyber%20Security%20Team%20Details.docx>)

**Would you like to add an additional supporting document?**

Yes

**Supporting Document 2**

Download File (<https://stevies-tech.secure-platform.com/file/68089/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWVpYUlkIjo2ODA4OSwiYWxs3dOb3RTaWduZWRVcmwiOiJGYWxzZSI6ImInbm9ebXgGTW4GsqH1mbWxMU?ASELSAN%20-%20Q08%20Technology%20Team%20of%20the%20Year%20-%20Aselsan%20Cyber%20Security%20Team%20Details.pdf>)

**Would you like to add an additional supporting document?**

Yes

**Supporting Document 3**

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**Would you like to add an additional supporting document?**

Yes

**Supporting Document 4**

Download File ([https://stevies-tech.secure-platform.com/file/68088/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWVpYUlkIjo2ODQ0OCwiYWxsYXNpdOb3RTaWduZWRVcmwiOiJGYWxzZSI6Imlnbm5ZSFd70dPG\\_rgKGvr\\_X8Q?ASELSAN%20-%20Q08%20Technology%20Team%20of%20the%20Year%20-%20USB%20Kiosk%20Project.pptx](https://stevies-tech.secure-platform.com/file/68088/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWVpYUlkIjo2ODQ0OCwiYWxsYXNpdOb3RTaWduZWRVcmwiOiJGYWxzZSI6Imlnbm5ZSFd70dPG_rgKGvr_X8Q?ASELSAN%20-%20Q08%20Technology%20Team%20of%20the%20Year%20-%20USB%20Kiosk%20Project.pptx))

**Would you like to add an additional supporting document?**

No

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