



**ZCorum™**

## Solutions Brief

### Strengthening Your Defense To Meet BEAD and E-ACAM Guidelines

Cybersecurity is a crucial concern of government agencies and policymakers and is a requirement before you can receive BEAD or E-ACAM funding. Broadband operators must demonstrate that they have cybersecurity plans and strategies in place to protect their infrastructure, data and users from cyberattacks.

ZCorum's Managed CyberZCurity Service not only provides advanced cybersecurity protection, but also assists broadband operators in meeting their BEAD or E-ACAM funding requirements, making it an appealing choice for companies seeking cost-effective security solutions and help with compliance for funding.

To qualify for BEAD funding or E-ACAM support, operators must submit their plan to implement robust cybersecurity practices and follow recognized cybersecurity frameworks and standards, such as the National Institute of Standards and Technology (NIST) Cybersecurity Framework. Adhering to the government's NIST framework will demonstrate the operator's commitment to cybersecurity, and their ability to safeguard the broadband infrastructure and the sensitive information they carry.

The NIST Framework is structured around five core functions: **Identify, Protect, Detect, Respond, and Recover**. These functions represent key activities that organizations should focus on to effectively manage cybersecurity risk.

## Key Features of ZCorum's CyberZCurity Service that Follow the NIST Framework Core Functions:

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### IDENTIFY

The first step is to identify your assets including endpoints, servers, and desktops. Then EDR or Endpoint Detection and Response, will track all the operator's assets in the local network and identify systems critical data. EDR continuously monitors your end-user devices to detect and respond to any cyber threats like ransomware and malware.

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### PROTECT

Protect focuses on creating safeguards and measures to prevent or minimize the impact of cybersecurity threats. This involves putting in place security policies and procedures that safeguard critical assets and systems such as access controls, encryption, authentication mechanisms, firewalls, and security training for employees. CyberZCurity will build the report of your best practices and processes for managing your cybersecurity that adheres to NIST guidelines and will monitor all in real time 24/7/365, collecting logs on all devices, desktops, servers, and firewalls protecting your entire network environment.

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### DETECT

Real-time Threat Detection: You will need an early threat detection process. CyberZCurity has algorithms to monitor and analyze network traffic in real-time and protect the entire network environment. It swiftly identifies potential cyber threats such as malware, ransomware, phishing attempts, and zero-day exploits. The product filters incoming and outgoing traffic based on established security policies. It prevents unauthorized access to sensitive data and blocks malicious requests. User Behavior Analytics detects anomalies and potential insider threats. It tracks user activities, flags suspicious behavior, and takes immediate action to prevent data exfiltration.

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### RESPOND

You will need a written document that outlines common attacks and a step by step plan on how you respond to each attack. We offer a rapid and effective incident response that monitors and immediately acts by quarantining machines and taking other protective actions. Advanced antivirus and anti-malware protection guards against emerging threats, preventing data breaches and securing individual endpoints (e.g., desktops, laptops, mobile devices).

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### RECOVER

In the event of a security breach, off-site backups of critical systems are maintained, allowing for the recovery of lost data and deletion of any changes made. This contains the threat and minimizes damage. We will also provide a comprehensive post-incident analysis for future improvements.

ZCorum's cybersecurity product offers a multi-layered defense approach, leveraging advanced threat intelligence and real-time monitoring to detect and mitigate threats before they can cause harm.

## Key components of our solution include:

### Endpoint Protection

Our endpoint protection solution secures all devices within your network, providing real-time threat detection and blocking of malicious activities to prevent unauthorized access.

### Network Security

Our network security module fortifies your network against unauthorized intrusions, network anomalies, and DDoS attacks, ensuring a secure digital environment.

### Firewall & Intrusion Prevention

Our robust firewall and intrusion prevention system constantly monitors network traffic, filtering out suspicious or harmful data packets.

### Data Encryption

We employ state-of-the-art encryption algorithms to protect sensitive data at rest and in transit, mitigating the risk of data leaks or unauthorized access.

### Behavioral Analytics

Our solution utilizes behavioral analytics to detect abnormal user behavior, helping identify potential insider threats and malicious activities.

### Threat Intelligence Integration

We integrate with leading threat intelligence platforms to stay up-to-date with the latest cyber threats to proactively defend against emerging risks.

## Benefits:

### Enhanced Cyber Defense

Provides a multi-layered defense approach, significantly reducing the risk of cyber attacks and data breaches.

### Increased Productivity

With automated security processes and fewer interruptions caused by cyber threats, employees can focus on their core responsibilities, improving overall productivity.

### Customer Trust

By safeguarding sensitive data and preventing security incidents, you will enhance customer trust, leading to increased loyalty and brand reputation.

### Cost-Effective

The product's centralized management and automation capabilities help reduce operational costs associated with manual security tasks and recovery efforts.

### Scalability & Flexibility

CyberZCurity is designed to scale with your organization's growth and can adapt to diverse IT environments.

### 24/7/365 Support & Updates

Customers receive continuous support, software updates, and threat intelligence to stay ahead of emerging cyber threats.

## Conclusion

It is essential for broadband operators to keep themselves informed about any changes or updates in the funding program's requirements and to stay up-to-date with the latest best practices in cybersecurity to ensure the security and reliability of their networks and enhance their chances of qualifying for any additional government funding programs like BEAD or E-ACAM.

CyberZCurity offers a comprehensive and intelligent solution to protect your organization from an ever-evolving cyber threat landscape. With its real-time threat detection, advanced endpoint protection, and robust firewall capabilities, your business can confidently navigate the digital world while ensuring the safety and security of critical data and systems. Invest in and fortify your cyber defenses today.

- **Mitigate Cyber Risks:** Our services reduce the likelihood of successful cyberattacks, minimizing potential damage to your organization's assets and reputation.
- **Real-time Threat Detection:** With continuous monitoring and rapid incident response, we ensure that threats are identified and neutralized before they can escalate.
- **Streamlined Compliance:** Our cybersecurity solution aids in meeting industry-specific compliance requirements and data protection regulations.
- **Enhanced Productivity:** By safeguarding your systems and data, our solution allows your team to focus on core business activities without worrying about cyber threats.
- **Cost-Effective:** Investing in a comprehensive cyber security solution can save your organization significant financial losses and loss of trust resulting from data breaches or attacks.

To learn more, we invite you to schedule a personalized presentation with our expert team. [Contact us](#) to discuss your specific requirements and take the first step towards a more secure future.



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ZCorum is a partner that has managed broadband networks for nearly three decades. We provide a suite of managed services that will reduce operational costs, increase subscriber satisfaction, and provide additional revenue opportunities. Let us work with you to enhance your service to your customers and improve your bottom line. Let us know how we can help.