

1. Which elements of the project are currently underway? Which elements have been completed since the department last updated the JTC? Is the project on schedule with initial plans?

UNC has made significant progress toward our Next Generation Cyber Secure Network project. Below we outlined the key elements that have been completed:

2. We have purchased and implemented Cisco Stealthwatch to enhance network and security event visibility and alerting. This element is fully implemented and live.
3. We have implemented and continue to mature the network segmentation component. There is a continuous firewall review as part of our steady-state operations and a twice-monthly review of all firewall requests and changes. This element is fully implemented and live.
4. We have executed three full proof of concepts for a security information event management (SIEM) tool. This work has been completed.
5. We will complete our implementation of the SIEM in June 2023. The SIEM is live and undergoing tuning.
6. We have dedicated security and networking staff for these implementations and steady-state operations. We have hired and trained student employees to monitor and respond to our SIEM alerts.
7. We plan to purchase two Cisco FirePower Intrusion Prevention System (IPS) devices in Q1 of 2024 to replace the existing end-of-support IPS devices.

2. How much money has been obligated and spent at this point? Please break down amounts and spent separately.

UNC has procured two cybersecurity software platforms and a single piece of hardware. We have also procured services to implement, train, and support the new technologies. Our total spend to date is \$572,297.

3. Cisco Stealthwatch – \$104,253
4. Stellar Cyber SIEM – \$294,445
5. Staff services for implementation and support - \$173,599

3. What is anticipated to be completed by the next quarterly update?

To provide the best ongoing support, UNC will fund and hire a full-time security engineer to be the primary support for the SIEM alerting. We are also hoping to partner with the state OIT to create a state-wide SOC for log monitoring and review of our Stealthwatch and Stellar outputs.

In the next quarter, UNC will start the evaluation of vendors for our next-generation IPS devices. We aim to have these devices purchased by Q1 of 2024 and implemented by Q2 of 2024.

4. When does the department/institution anticipate that the project will be complete?

The last phase of this project will be the implementation of our next-generation IPS, and we will have purchased and deployed the replacement by Q2 2024.

5. Are there any important concerns or updates you wish to share with the committee?

We have no concerns or issues. We will complete all the project elements by June 2024.

6. For multi-phase projects, has there been any insight gained through this phase of the project that will cause changes in the next requested phase of the project?

This is a single-phase project with many objectives.