

MINNESOTA DEPARTMENT OF PUBLIC SAFETY BUREAU OF CRIMINAL APPREHENSION

Cybersecurity, FBI Compliance and Critical Infrastructure Upgrades

Recommendation

The Governor recommends \$2,391,000 in fiscal year 23 and \$900,000 ongoing to the Bureau of Criminal Apprehension (BCA) are for identity and access management, critical infrastructure upgrades, and Federal Bureau of Investigation audit compliance which were not fully funded during the 2021 legislative session. This appropriation for fiscal year 23 is available until June 30, 2024.

Cybersecurity, FBI Compliance, and Critical Infrastructure Request

The BCA is the state's FBI Criminal Justice Systems Agency (CJA) and is responsible for appropriate maintenance and dissemination of very sensitive criminal justice information from the state, local and federal levels. The BCA provides authorized access to these data over a secure criminal justice data network through more than 30 different computer systems and applications. As such, the BCA maintains a very complex network infrastructure that needs continual upgrades to provide reliable access to this critical information.

This initiative includes the following components related to the BCA's ability to effectively address security threats and vulnerabilities as well as replace critical infrastructure and meet FBI security requirements:

- **Disaster Recovery (Cloud)** - The BCA lacks a redundant infrastructure to recover critical systems and data in a timely manner in the event of a disaster. This effort includes analysis to replace an outdated data back-up system as well as infrastructure in a cloud environment to enable recovery of certain data and systems in a more imminent manner.
- **Security/Environment Scanning and Monitoring** - The BCA has significantly increased its ability to perform comprehensive security testing and monitoring of BCA systems and infrastructure; however, more software tools and one additional FTE is needed to ensure this effort is comprehensive and can be sustained. This will improve current security vulnerabilities and prevent malicious attacks against the BCA. The BCA has unique scanning and monitoring needs due to the FBI security requirements.
- **Identity and Access Management** - The BCA securely manages accounts for those law enforcement and other criminal justice users that are authorized to access BCA data. The current Identity and Access Management system is more than 13 years old using outdated and unsupported technology. A replacement system to manage this access is critical for providing the appropriate security. This request includes both the one-time implementation costs as well as the ongoing costs to maintain and support this system.



- Critical Infrastructure Upgrades - The BCA needs to continually upgrade its technical infrastructure to ensure that BCA systems are secure and available to authorized BCA customers. This request will specifically improve the development and testing environments that are critical to BCA systems; increase the data storage capacity for critical data; and replace back-end software that will soon no longer be supported.
- Non-Criminal Justice Access and Security - There is a need to provide secure access to BCA systems and data to authorized non-criminal justice users in a separate environment (such as certain entities that receive the results of statutory background checks on individuals for employment and licensing purposes). This access for non-criminal justice purposes requires BCA to provide a segmented network and infrastructure. This request includes two FTEs to support the additional infrastructure and data needs.
- Remote (Telework) Security - With the significant increase in teleworking, there is a need to update the technology to provide secure, remote access to BCA systems and data. This includes increased security and support for mobile devices.
- FBI Audit Compliance - The FBI has recently mandated that states audit all non-criminal justice agencies that have access to FBI data through the BCA. This requires an additional two FTEs to audit more than 430 non-criminal justice agencies once every three years.