



# Performance Audit of Cybersecurity

## Audit No. 23-07

### December 28, 2023

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#### Report Highlights

#### Page(s)

- This report is confidential and is exempted from public disclosure pursuant to the provisions of the Louisiana Public Records Law Title 44.

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The Council  
City of Shreveport

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December 28, 2023

Councilman James Green  
Chairman, Shreveport City Council

Dear Councilman James Green:

Subject: Audit No. 23-07- Performance Audit of Cybersecurity

Attached please find the report mentioned above. Our findings and recommendations regarding the city's Information Technology Department security controls are exempt from public disclosure under Louisiana Public Records Law Title 44. Therefore, this report does not contain any details about our findings or recommendations.

Sincerely,

*Leanis L. Steward*

Leanis L. Steward, CPA, CIA  
City Internal Auditor

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## **EXECUTIVE SUMMARY**

### **Performance Audit of Cybersecurity**

#### **Why We Did This Audit**

We have completed an audit of the Information Technology (IT) Department's Cybersecurity. This audit was conducted as one of our regularly scheduled audits included in the Annual Audit Plan developed by the City Internal Auditor. Our objectives were to determine if the IT Department has established a consistent and iterative approach to identify, assess, and manage cybersecurity risk.

#### **Scope and Methodology**

The scope of this audit was limited to the IT Department Cybersecurity Operations. The period reviewed was January 1, 2020 to May 31, 2023. To answer our objectives, we reviewed relevant internal controls and developed audit procedures that included, but were not limited to, the following:

- Interviewed staff to enhance the understanding of the process,
- Reviewed City Ordinances pertaining to the IT Department,
- Reviewed applicable documentation and performed test work on data,
- Randomly selected 30 endpoints (computers, laptop, servers) to determine if antivirus software were installed,
- Considered all five internal control components (control environment, risk, monitoring, information and communication, control activities) of the Standards for Internal Control in the Federal Government. Internal controls are a process used by management to help an entity achieve its objectives.

Sample size was calculated using a sampling calculator and was selected based on the criteria of 95% of confidence level and 2% error rate. The results cannot be projected to the entire population. Random sampling selection was used to improve the overall efficiency of the audit.

We conducted this performance audit in accordance with generally accepted government auditing standards. Those standards require that we plan and perform the audit to obtain sufficient, appropriate evidence to provide a reasonable basis for our findings and conclusions based on our audit objectives. We believe that the evidence obtained provides a reasonable basis for our findings, conclusions, and recommendations based on our audit objectives.

***The Internal Audit Office expresses appreciation to the management and personnel of the IT Department for their cooperation and assistance provided during the audit.***

This report is confidential and is exempted from public disclosure pursuant to the provisions of the Louisiana Public Records Law Title 44. (b) ..., any documentary material of a security feature of a public body's electronic data processing system, information technology system, telecommunications network, or electronic security system, including hardware or software security, password, or security procedure, process, configuration, software, and code is ***not a "public record"***.





**AUDIT NO. 23-07**  
**November 20, 2023**

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c: City Council  
Clerk of Council  
Mayor  
Chief Administrative Officer  
Carr Riggs and Ingram  
City Attorney  
Chief Technology Officer