Identity and Access Management of the City's Computer Network
Scope Statement – July 20, 2020

Background

Identity and access management of the city's computer network is used to ensure only authorized users have appropriate access to the computer networks, applications, processes, and data. It protects against unauthorized modification, loss, and disclosure of data; limits access to very sensitive resources, such as operating systems and security software programs; and restricts users from performing incompatible duties or duties beyond their responsibilities or authorizations.

The city's Information Technology Division is the host of the city's network of computers and peripheral devices. The division is responsible for providing authorized users with secure IT services and granting appropriate access to the network.

Why audit identity and access management of the city's network?

The city's identity and access management affects the security of all network users, devices, and applications. It should provide reasonable assurance that users have the appropriate authentication[1] and authorization.[2] Access by unauthorized users could result in loss of data, disruption of city business, and disclosure of sensitive information. The city may incur loss of and damage to reputation, public trust, regulatory compliance, business continuity, and money.

Audit objective

Our objective is to answer the following question:

- Are computer network accounts to the city's information technology network current?

Audit methods

We will interview city staff, review recommended practices for IT identity and access management, and assess whether users that access the city's IT network are appropriately authenticated and authorized.

Anticipated release date

We plan to issue the audit report in October 2020.

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[1]Authentication is validating that users are who they claim to be. Passwords are a common authentication factor.
[2]Authorization is giving users permission or privileges to access specific resources or perform particular actions.