

LENS Access Control Review

Central Florida Expressway Authority

June 2019

2019 LENS Access Control Review

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I. Executive Summary

Background

During the period between June 4th and June 14th, 2019, Internal Audit (“IA”) performed an Access Control Review for Central Florida Expressway Authority (“CFX”). The review focused on the Law Enforcement Notification System (“LENS”) application. LENS is an application within the Toll Management Console (“TMC”) utilized by CFX operations team to monitor toll plazas and lanes to ensure continuous operation. The LENS application is an alerting system used by law enforcement officials to receive alerts for vehicles identified within the application passing through nearby toll plazas.

Overview

This report represents the results of the LENS Access Control Review conducted by IA for CFX. While executing this review, IA interviewed key personnel involved in the access administration process and tested the authentication mechanism for use of strong authentication mechanisms.

As a result of this review, IA identified two (2) observations (one rated Moderate and one rated Low). The observations describe gaps with both process and technology related controls. Specifically:

- User access within the LENS application
- Password requirements

To address the above issues, CFX should consider:

- Developing administrative procedures surrounding account review
- Continuing plans regarding authentication mechanism

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II. Scope and Approach

Scope

The scope of this project was on the review of Access Rights Administration and a review of Authentication of the LENS application.

Approach

IA identified and assessed the controls of Access Rights Administration and Authentication Mechanisms. Specifically:

- The Access Rights Administration component included a review of how CFX:
 - Assigns users and devices only the access required to perform their job duties
 - Updates access rights based on personnel or system changes
 - Periodically reviews users' access rights at an appropriate frequency
- The Authentication Mechanism component included a review of how CFX:
 - Enforces the use of authentication mechanisms (passwords/PINs/tokens/etc.)
 - Enforces strong authentication mechanism parameters
 - Protects users' authenticators (passwords/PINs/tokens)

