



To: School Board of Orange County
From: Linda J. Lindsey, School Board Internal Auditor
Date: August 1, 2024
Subject: Internal/ External Penetration Testing Audit 2023-2024

Audit Background:

As part of the 2023-24 Audit Plan, we intended to perform a Pen Test audit. Because we were aware of ITS's plan to have a pen test performed this year, we did not want to duplicate these test efforts. Instead, our IT auditor was informed and involved in the external pen test to understand what was being done (nature and extent of testing) and the results, including subsequent follow-up by ITS on findings.

Our involvement was to be informed along the way, but not engaged in the actual performance of the pen test procedures. We think this approach addressed the work that needed to be accomplished in an efficient manner that is respectful of ITS Security's limited resources to deal with audits and still meet the requirements of the professional standards for our work.

Audit Objectives:

According to the documentation provided by the Senior Director of Information Security, the objective of this 2024 Pen Test was to *"Determine whether there are security weakness in the network."*

Audit Scope:

We acted as "observers" in the Pen Test process and were not actively involved in it. According to the vendor, they moved away from a traditional statement of work and did their work according to information the ITS department provided in answers to the vendor's questionnaires.

According to the scope sent by the vendor to the ITS Senior Director of Information Security, they performed the following tasks:

- Network Penetration Testing Process
- Web Application Penetration Testing Process

- Wireless Penetration Testing Process
- Client-Side Penetration Testing Process
- Social Engineering

Audit Methodology:

Our work was performed in accordance with the *International Standards for the Professional Practice of Internal Auditing* of the Institute of Internal Auditors and included such procedures as deemed necessary to provide reasonable assurance regarding the audit objectives. Internal Auditing is an independent, objective assurance and consulting activity designed to add value and improve an organization's operations. It helps an organization accomplish its objectives by bringing a systematic, disciplined approach to evaluate and improve the effectiveness of risk management, control, and governance processes.

Confidentiality:

Given the nature of this audit, details will not be publicly disclosed. The information provided by the vendor in the Pen Test report is intended solely for the use of management, the Audit Committee within OCPS and its regulatory examiners, and is not intended to be and should not be used by anyone other than these parties.