**Information Security**

**Chapter 1: Cybersecurity and the Security Operations Center**

1. **Lab 4 - Understand Vulnerabilities of Wireless and Other Common Technologies**

**Objectives**

Understand vulnerabilities of wireless and other common technologies.

**Background / Scenario**

Nearly every “secure” system that is used today can be vulnerable to some type of cyberattack.

**Required Resources**

PC or mobile device with internet access.

**Instructions**

* + 1. Click on the below links and watch the videos.

[How hacking actually looks like](https://www.youtube.com/watch?v=jTIUgshJjds)

[Pegasus: the spyware technology that threatens democracy](https://www.youtube.com/watch?v=G7H9uo3j5FQ&t=9s)

["I Remove It Before Using The Phone!" Edward Snowden](https://www.youtube.com/watch?v=0dGqR4ue8dg)

[Top hacker shows us how it's done](https://www.youtube.com/watch?v=hqKafI7Amd8&t=777s)

* + 1. Choose one of the hacks discussed in the videos and use your favorite search engine to conduct some additional research on the hack.
    2. For the hack chosen in Step 1b, answer the questions below. Be prepared to share your work in a full class discussion.

## Answer the following questions.

Questions:

* + 1. What is the vulnerability being exploited?

***Type your answers here.***

* + 1. What information, data, or control can be gained by a hacker exploiting this vulnerability?

***Type your answers here.***

* + 1. How is the hack performed?

***Type your answers here.***

* + 1. What about this particular hack interested you specifically?

***Type your answers here.***

* + 1. How do you think this particular hack could be mitigated?

***Type your answers here.***