Jake Breitbeil

CYSE 368

Reflection 1

The first 50 hours of my Internship at the Newport News Shipyard can best be described as being firehosed with information. My first day was spent in orientation for six hours. They covered basic shipyard operations, yard safety, and our schedule as interns and the events that were scheduled for us over the course of the summer. After we were finished with orientation, I was taken to meet my group that I would be working with. I have been assigned to the cyber group for the propulsion power unit planning yard group. A gross overview of our responsibility is to provide cybersecurity for the propulsion plant. Securing the propulsion plant also includes securing the freshwater production system, the Power Distribution center, and the propeller system for the movement of the carrier. After the first day of being introduced to the group, the next days were spent reading through text files, PowerPoints, and technical manuals waiting for my required shipyard training to show up in my inbox. In my first fifty hours I was also introduced to our Cyber Test Lab, Where I was given a quick crash course on performing STIGs on systems and a hierarchical breakdown of the E70 division. The rest of my 50 hours were spent doing the required training, and diving into networks and how they function and how to set them up. In terms of preparedness for this internship, I have found that my cybersecurity knowledge is incredibly lacking. I have also learned that my group does things differently than we are taught in my cyber classes. For instance, at school we are taught about the CIA triad and how confidentiality is the first part and the part that should be focused on the most. That is the opposite in the E70 division. Availability is the most important thing for us, because of the reactor and all the systems are not available you got a big old hunking ton of steel just sitting in the middle of the ocean. I am excited about this internship and all of the knowledge and experience that I will gain from it.