Emerging Technologies (C850) Task 1

**A. Organizational Need**

*Summarize an organizational need in the case study, including the scope of the need.*

TechFite requires a solution that will allow them to meet FISMA compliance standards using NIST as a security framework. Currently, TechFite does not have a system in place that allows them actively view security logs as attacks occur in real time, store security logs for extended periods of time, or quickly parse log information as required by FISMA and other governing bodies. This is concerning and must be addressed as TechFite is looking to work with other international space programs such as the Europen Space Agency, Canadian space agency, and the Japanese space agency. Being able to land contracts with these international agencies is dependent on TechFite’s ability to successfully accomplish all three tasks so addressing all three tasks is of utmost importance.

**B. Emerging Technology Solution**

*Propose an emerging technology solution to address the organizational need from the case study. Provide justification that classifies this technology as emerging.*

**C: Adoption process**

*Outline an adoption process for the technology solution you plan to implement, using the risks and benefits of early adoption versus the risks and benefits of later adoption to justify your adoption timing.*

**D: Technology Impact**

*Describe potential positive and negative effects your technology solution could have on the people and current processes in the organization, providing examples for how to address any negative effects.*

**E: Technology Comparison**

*Compare your technology solution to similar existing technology solutions, including details that qualify how your chosen technology better supports the organization’s mission, goals, and vision.*

**F: Adoption Metrics**

*Propose methods for measuring the impact of the technology, including specific metrics that would support whether the adoption is successful or unsuccessful.*

**G: Sources**

*Acknowledge sources, using in-text citations and references, for content that is quoted, paraphrased, or summarized.*