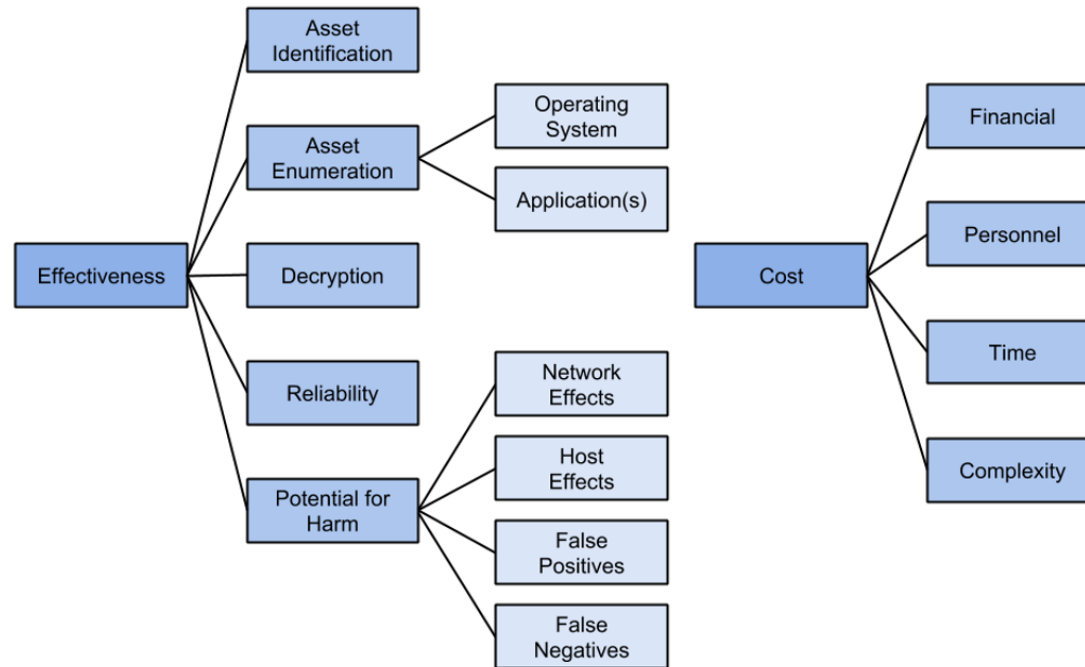


CYB 220 Technology Evaluation Criteria

Manager's Questions

The image and questions below have been provided by your manager to demonstrate the breakdown of components and considerations involved in the decision concerning a network protection approach.



1. Operational Frame (Business Context)

- What are the organizational attributes? Consider attributes such as the size, the industry or sector, and/or the risk tolerance of the organization in your response.
- What are the organizational constraints? Consider constraints such as budget, personnel, operational disruption, and/or time constraints of the organization in your response.

2. Operating Environment (Network and System Profile)

a. Effectiveness Essential Questions

- What is the level of concern about who's on (or off) the network?
- What is the level of concern about detailed information relating to specific assets on (or off) the network?
- What is the level of concern about the ability to defeat secure communications?

- iv. What is the level of concern about resilience?
- v. What is the level of concern about potential for harm?

b. Cost Essential Questions

- i. Can we afford the investment?
- ii. Do we have the right people to implement?
- iii. Will it take too much time?
- iv. Is the tech/activity too complex?

Technology Evaluation Criteria

Evaluation Factor	Evaluation Criteria	Manager's Questions—Aligned to Criteria
Effectiveness	Ability to identify network-connected systems	1.a. What are the organizational attributes? 2.a.i. What is the level of concern about who's on (or off) the network?
	Ability to discern operating systems of network-connected systems	1.b. What are the organizational constraints? 2.a.ii. What is the level of concern about detailed information relating to specific assets on (or off) the network?
	Ability to discern specific software applications based on their unique data flows	1.a. What are the organizational attributes? 1.b. What are the organizational constraints? 2.a.iii. What is the level of concern about the ability to defeat secure communications? 2.a.v. What is the level of concern about potential for harm?
	Ability to handle encrypted data flows	1.b. What are the organizational constraints? 2.a.iii. What is the level of concern about the ability to defeat secure communications? 2.a.v. What is the level of concern about potential for harm?
	Reliability under stress	1.b. What are the organizational constraints? 2.a.iv. What is the level of concern about resilience?
	Potential to cause individual network-connected system outage	1.b. What are the organizational constraints? 2.a.iv. What is the level of concern about resilience? 2.a.v. What is the level of concern about potential for harm?
	Potential to cause individual network-connected system disruption/slowdown	1.a. What are the organizational attributes? 2.a.i. What is the level of concern about who's on (or off) the network? 2.a.v. What is the level of concern about potential for harm?

Evaluation Factor	Evaluation Criteria	Manager's Questions—Aligned to Criteria
	Potential cause of network outage	1.a. What are the organizational attributes? 2.a.i. What is the level of concern about who's on (or off) the network? 2.a.iii. What is the level of concern about the ability to defeat secure communications? 2.a.iv. What is the level of concern about resilience?
	Potential cause of network disruption/slowdown	1.a. What are the organizational attributes? 2.a.i. What is the level of concern about who's on (or off) the network? 2.a.iii. What is the level of concern about the ability to defeat secure communications? 2.a.iv. What is the level of concern about resilience?
	Potential cause of excessive alerts	1.b. What are the organizational constraints? 2.a.i. What is the level of concern about who's on (or off) the network? 2.a.iii. What is the level of concern about the ability to defeat secure communications?
Cost	Software	1.a. What are the organizational attributes? 1.b. What are the organizational constraints? 2.b.i. Can we afford the investment? 2.b.ii. Do we have the right people to implement?
	Personnel (training)	1.a. What are the organizational attributes? 1.b. What are the organizational constraints? 2.b.i. Can we afford the investment? 2.b.ii. Do we have the right people to implement?
	Deployment (time to implement)	1.a. What are the organizational attributes? 1.b. What are the organizational constraints? 2.b.ii. Do we have the right people to implement? 2.b.iii. Will it take too much time? 2.b.iv. Is the tech/activity too complex?
	Deployment (complexity)	1.b. What are the organizational constraints? 2.b.ii. Do we have the right people to implement? 2.b.iv. Is the tech/activity too complex?