

## CIS 481 – Intro to Information Security

### IN-CLASS EXERCISE # 10

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Logistics

- A. Get into your regular team
- B. Discuss and complete the assignment together. Don't just assign different problems to each teammate! That defeats the purpose of team-based learning.
- C. Choose a recorder to prepare the final copy to submit to instructor in Blackboard.

#### Problem 1

Name and describe the four basic conversion strategies discussed in the text that may be used when converting to a new system. Under which circumstances would each be considered the right approach? (10 pts.)

The four basic conversion strategies are direct changeover, phased implementation, pilot implementation, and parallel operations. Direct changeover involves stopping the old system method and adopting a new one. This strategy can be used when employees should be required to begin using a new password with stronger authentication methods. The phased implementation strategy is the most common and utilizes a measured rollout of the planned system, with only part of the system being brought and distributed before the next part is implemented. The pilot implementation strategy is when an entire system is put into a single office, department, or division before being released to the rest of the organization. They work as “guinea pigs”, to prevent critical impact to the organization as a whole. The parallel operations strategy runs two systems at the same time. This strategy reinforces information security by using the old system as a backup for the new system.

#### Problem 2

Complete Exercise 1 from p. 576 of the text. Model your WBS on Table 10-1 from p. 541 of the text. Assume that work on the project may begin as early as next Monday. (15 pts.)

Create a first draft of a WBS from the following scenario. Make assumptions as needed based on the section about project planning considerations and constraints in this chapter. In your WBS, describe the skill sets required for the tasks you have planned. Sequential Label and Supply has a problem with employees surfing the Web to access material the company deems inappropriate for a professional environment. Therefore, SLS wants to insert a filtering device in the company Internet connection that blocks certain Web locations and content. According to the vendor, the filter is a hardware appliance that costs \$18,000 and requires 150 hours to install and configure. Technical support for the filter costs 18 percent of the purchase price and includes a training allowance for the year. A software component that runs on the administrator's desktop computer is needed to administer the filter; this component costs \$550. A monthly subscription provides the list of sites to be blocked and costs \$250 per month. An estimated four hours per week are required for administrative functions.

A	B	C	D	E	F
Task or Subtask	Resources	Start (S) & End (E) Dates	Estimated Effort in Hours	Estimated Capital Expense	Estimated Noncapital Expense
Contact field office and confirm net	Network team	S(6/26/2017) E(6/26/2017)	2 hours	\$0.00	\$100.00
Place the order for filtering device	Purchasing team	S(6/27/2017) E(6/27/2017)	1 hours	\$18,000.00	\$50.00
Place order for admin console	Purchasing team	S(6/27/2017) E(6/27/2017)	1 hours	\$550.00	\$50.00
Delivery of admin console	Purchasing team	S(6/28/2017) E(7/3/2017)	1 hour	\$0.00	\$50.00
Install admin console	Network Architect	S(6/27/2017) E(6/27/2017)	5 hours	\$0.00	\$250.00
Delivery of filtering device	Purchasing team	S(6/28/2017) E(7/3/2017)	1 hour	\$0.00	\$50.00
Install/configure filter	Network Architect	S(7/3/2017) E(7/28/2017)	150 hours	\$0.00	\$7,500.00
Testing of filter device	Network Architect	S(7/31/2017) E(8/1/2017)	16 hours	\$0.00	\$800.00
Filter application training	Network team	S(8/1/2017) E(8/11/2017)	60 hours	\$3,240.00	\$3,000.00
Establish monthly subscription	Purchasing team	S(8/11/2017) E(8/11/2017)	1 hour	\$250.00	\$50.00
Administrative functions	Network team	S(8/14/2017) On Going	4 hours / Week	\$0.00	\$200.00