

Name:

Information Assurance: Homework 2

Due September 10, 2008 on compass.

1. Critique CITE's Standard for Digital Media (<https://wiki.cites.uiuc.edu/wiki/display/PPG/Standard+for+the+Disposal+of+Digital+Media>)
 - a) What policy is it expanding on?
 - b) Identify the purpose of that policy.
 - c) Identify the responsible agents in the policy and/or standard.
 - d) Identify one assumption made by the standard.
 - e) Suggest an improvement to one aspect of the standard. Why is this an improvement?
2. Policy or mechanism. For each item below, is it a policy or an enforcing mechanism? If it is a policy, identify a mechanism that could enforce it. If it is a mechanism, identify a policy it could be enforcing.
 - a) Customers must call from their home phone to activate new credit cards.
 - b) All customers should return shopping carts to the cart parking area.
 - c) All remote accesses must be authenticated by one time passwords.
 - d) Passwords must be at least 15 characters long, include upper and lower case letters, numbers, and punctuation characters.
 - e) High risk data must be encrypted when traveling over unsecured networks.
3. For each threat below identify one control or safeguard for two of the three types of controls (avoidance, detection, recovery).
 - a) Flood
 - b) Distributed denial of service
 - c) Unauthorized access to customer accounts via the web interface
 - d) Unauthorized entry into your home
4. You own a gas station. On average you have two drivers a day leave without paying for their gas (average of \$50 of gas each time). Your insurance company tells you that your store will likely be destroyed by a tornado every 65 years. It would cost you \$250,000 to rebuild your gas station.
 - a) Compute the annual loss expectancy for the gas loss threat and the tornado threat.
 - b) Which threat would you be most immediately concerned with and why?