

Branden Barnes

CS 465

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IA Legal, Ethical, and Social Implications

In the context of ABC Inc., which is a large on-line electronic product company, answer the following questions.

- 1. For ABC. Inc., through an example scenario, show how IA, privacy, and individual ethics do not contradict each other.**
- 2. For ABC. Inc., through an example scenario, show how IA, privacy, and individual ethics do contradict each other.**
- 3. Suppose a new employee of ABC Inc., not knowing the privacy rules, reveals the purchase information of a customer to another party, without prior consent of the purchaser, who will be held responsible?**
- 4. Do you think ABC Inc. is prone to information warfare by other countries? If so, what could be one possible scenario of its involvement?**
- 5. State two possible codes of ethics that ABC Inc. should enforce/prescribe for its employees.**

1. ABC Inc. uses access controls that ensure only authorized access to resources and data occurs. They also promote an AI-driven identity management plan. Artificial intelligence is used to privatize and protect users' information through features like data anonymization, differential privacy, and automated access management. Data protection principles, law, and ethics will be applied to customer's information to maintain privacy and individual ethics. Organization liability for example, allows ABC Inc. to focus efforts of due care and due diligence. ABC Inc. takes the time to apply due care and due diligence to train/teach employees acceptable behavior and the consequences that can occur when a valid effort to protect is not maintained.

2. ABC Inc. use of AI systems also roll over into data collection. ABC Inc. wants to make the best algorithm possible for their users using AI to increase efficiency and promote the best content for their users. However, ABC Inc. doesn't implement safeguards so the AI system can collect all the data it can from users whether it's necessary or not. ABC Inc. finds AI to really benefit them with security and user focused production, they don't want to provide transparency or explainability to users so they can continue to operate at a high level.

3. In this situation, it can be both ABC Inc. fault and the employee's fault. Organization Liability ensures that ABC Inc. trains their employees to understand privacy rules and consequences of scenarios like this. If ABC Inc. failed to train the employee on due care and due diligence, then it would be on the company to bear the consequences. However, if they did train this employee of privacy policies and the employee failed to comprehend the rules, then that employee will bear a level of responsibility for the consequences.

4. ABC Inc. is a large online organization with thousands of users. It is totally possible for them to be subject to information warfare by other countries. You see data breaches all the time now with adversaries harvesting user data. A possible scenario could be that either China operators themselves will try to harvest ABC Inc. data for personal economic gain, surveillance of users, or other technological harm, or an internal operator could steal data from ABC Inc. to sell to a ready buyer.

5. ACM and ISACA are two possible codes of ethics that ABC Inc. should enforce for its employees. ACM focuses on premier code of ethical conduct for professionals. ISACA focuses on compliance of standards in which promote confidentiality and integrity.