

Q1. Once again, let us look at the electric power companies. Use web resources to find an information security (or cybersecurity) policy of a utility company and list some of its key features in the context of what you have learned in this module. Make sure to provide a complete citation of the source. Your answer should not exceed a page.

Going over Dominion Energy's privacy policies and cyber security policies brought forth key takeaways. When it comes to privacy and the policies they have online for the public to view it goes over various things. It highlighted how they gather data and what data is being gathered about each user. It also goes over who they share data with and in what cases they have to share information. This information is required to be available for individuals to view due to The Gramm-Leach-Bliley Act One. One section of the policy also highlights how the company can communicate with individuals. This gives individuals the ability to confirm if they are truly being contacted by "DE".

Cyber security: Dominion energy. Cyber Security | Dominion Energy. (n.d.).
<https://www.dominionenergy.com/our-stories/cyber-security>

Privacy policy. Dominion Energy Solutions. (2023, September 12).
<https://solutions.dominionenergy.com/privacy-policy/>

Q2. Look into the security rule of HIPAA and summarize the technical safeguards that it recommends (or enforces) as part of security standards. Once again, use web resources and make sure to provide a complete citation with URL. Your answer should be limited to one page.

4 major safeguards are mention in the technical safeguards section of HIPPA. This section is "45 CFR § 164.312"

Standard: Access control - Ensure that only qualified users have access to information at all times. Make sure those who have access to information need to perform their job otherwise, they shouldn't have access to the information. 2 things are required: giving each employee a unique identifier and having an emergency plan. This addresses confidential information that needs to be acquired in the time of an emergency.

Standard: Integrity - Ensure that policies are set to check that all confidential health records and information are kept unaltered. Set up electronic ways to check when documents are altered.

Standard: Audit controls - Set up ways to track/ keep track of who access what information. Ensures that information hasn't been changed or who had access to the information at what times.

Standard: Person or entity authentication- Checks to see if who is requesting access to information is truly who they say they are. (Authentication processes)

Standard: Transmission security - Set up ways to prevent confidential information from being sent over the network or internet. (Firewalls and monitoring software that alerts when a certain type of file is being transmitted.)

Legal Information Institute. (n.d.). *45 CFR § 164.312 - technical safeguards*. Legal Information Institute. <https://www.law.cornell.edu/cfr/text/45/164.312>

READ, 5 MIN. (n.d.). *Hipaa Security Rule & Risk Analysis*. American Medical Association. <https://www.ama-assn.org/practice-management/hipaa/hipaa-security-rule-risk-analysis#:~:text=The%20HIPAA%20Security%20Rule%20requires,and%20security%20of%20this%20information.>

Q3. All educational institutions have to comply with FERPA. Use web resources to write a brief summary of the security implications of FERPA from the institution's perspective. Make sure to provide a complete citation with URL. Your answer should be limited to one page.

FERPA is a regulation that is designed to protect students from having this PII released to third parties or other figures that the student didn't allow. To protect students educational institutions have to ensure that they are following FERPA. If education institutions fail to provide this level of privacy they could lose federal funding. While there aren't explicitly stated things that have to be implemented to ensure institutions are abiding and meeting this regulation. Institutions implemented many security features to ensure that they meet the regulations. Things that have to be implemented in order to uphold this level of privacy for students are similar to HIPPA's guidelines. Having some form of access control over confidential information that way information isn't released nor altered. Ensuring that authentication processes are set in order to confirm who is requesting the information is who they say they are. Additionally, make sure the information can be released to whoever is asking for it. The information also can't be

released without the consent from the student or guardian if the student isn't over 18 years of age. Overall, institutions have to ensure that on an administrative level, these regulations are being educated upon and upheld.

Right to privacy (FERPA) – student records. Virginia Western Community College. (2022, June 22).

<https://www.viriniawestern.edu/get-started/records/right-to-privacy/>