Procedure - Cryptography

Purpose
The purpose of this procedure is to ensure the use of encryption and key management maintain the confidentiality, integrity, authenticity, and privacy of information assets.

Key Encryption and Private Key Storage
ESD will follow [NIST Special Publication 800-131A Revision 2](#) or subsequent revisions for implementation of key encryption for purchased systems or software developed, which includes but is not limited to applications, servers, and endpoints. IT will determine the operating practices for storage of private keys and key rotation. Exceptions to this will be documented, justified, and approved by the Information Security Officer.

Timeline for Implementation of Procedure
Given the required changes to ESD processes to fully implement this procedure, new technology systems will be subject to this procedure immediately while existing processes or systems will be reviewed as required by the procedure's periodic review. If an operating practice is needed from IT as part of the procedure, IT will develop and have implemented that process before running proposed technology system through it. Procedure to be fully implemented by September 1, 2024.