Internal Policies and Procedures of the Utah State Board of Education	
Policy #	05-11
Subject:	Network Infrastructure Management
Date Approved	February 21, 2024
Policy Owner's Title	Chief Information Security Officer
Policy Officer's Title	Deputy Superintendent of Operations
References: -Center for Internet Security (CIS) Critical Security Controls – Control 12	

1) Purpose and Scope

a) The purpose of this policy is to set a base line for Utah State Board of Education (USBE) with regards to establishment, implementation, and management of network devices.
   i) This document should be expanded upon with additional policies and USBE operating procedures created in tandem with relevant USBE parties.

2) Policy

a) Network infrastructure, including software and network-as-a-service (NaaS) offerings, should be kept up to date.
   i) Software versions should be reviewed monthly to verify support.
b) A secure network architecture should be established and maintained.
   i) A secure network architecture must, at a minimum, address segmentation; least privilege; and availability.
c) Network infrastructure should be securely managed.
   i) Implementations can include version-controlled-infrastructure-as-code, and the use of secure network protocols, such as SSH and HTTPS.
d) Network system documentation, such as architecture diagrams, should be established and maintained.
   i) Network system documentation should be reviewed and updated annually, or when significant enterprise changes occur.
e) Network Authentication, Authorization, and Auditing (AAA) should be centralized.
f) Secure network management and communication protocols should be used in all USBE environments.
   i) Examples include 802.1X, Wi-Fi Protected Access 2 (WPA2) Enterprise or greater.
g) Users must authenticate to enterprise-managed Virtual Private Networks (VPN) and authentication services prior to accessing enterprise resources on end-user devices.

3) Change History

Date	Version	Author	Changes Made / Section(s)
August 22, 2023	0.1.0	Patrick Hawkins	Initial Draft