Internal Policies and Procedures of the Utah State Board of Education	
Policy #	05-09
Subject:	Email and Web Browser Protections
Date Approved	February 21, 2024
Policy Owner's Title	Chief Information Security Officer
Policy Officer's Title	Deputy Superintendent of Operations
References: NIST 800-53 Rev. 5	

1) Purpose and Scope

a) The purpose of this policy is to set a baseline for Utah State Board of Education (USBE) with regards to protections and detection of threats from email and web vectors.

i) This document should be expanded upon with additional policies and USBE operating procedures created in tandem with relevant USBE parties.

2) Policy

a) Web browsers and email clients allowed to execute on USBE networks and devices should:

i) Be fully supported by the vendor.

ii) Be using the latest version of the software provided through the vendor.

b) Domain Name System (DNS) filtering services should be used on all enterprise assets to block access to known malicious domains.

c) Network-based Uniform Resource Locator (URL) filters should be used to limit all enterprise assets from connecting to potentially malicious or unapproved websites.

i) Implementations can include but are not limited to category-based filtering, reputation-based filtering, or using block lists.

ii) These filters should be reviewed and updated yearly.

d) Web browser or email client plugins, extensions, and add-on applications should be approved for uses on USBE devices.

i) Unauthorized plugins, extensions, and add-ons should be uninstalled or disabled if discovered on devices.

e) DMARC policy and verification should be implemented to lower the chance of spoofed or modified emails from valid domains.

i) This should include the implantation of the Sender Policy Framework (SPF) and the DomainKeys Identified Mail (DKIM) standards.

f) Unnecessary file types attempting to enter the enterprise's email gateway should be blocked.

g) Email server anti-malware protections, such as attachment scanning and/or sandboxing, should be deployed and maintained.

3) Change History

Date	Version	Author	Changes Made / Section(s)
August 17, 2023	0.1.0	Patrick Hawkins	Initial Draft