

DBSD Tech Board Report

Executive Summary

The Technology Department has executed critical updates to our network infrastructure and endpoint security protocols at Tri-Valley. These enhancements have significantly stabilized daily operations, enhanced classroom instruction, and ensured seamless digital testing environments. Additionally, we are entering a required E-Rate bidding cycle to secure competitive internet services for the upcoming contract period.

Key Infrastructure & Classroom Enhancements

- Core Network Replacement: To resolve recurring connection drops and performance bottlenecks caused by aging hardware, we replaced our central core router and upgraded all facility access points.
- Wi-Fi 7 Deployment: The new access points utilize tri-band Wi-Fi 7 technology. This dramatically increases wireless capacity and coverage, seamlessly supporting the high volume of concurrent student and staff devices.
- We completed the installation of six new Newline Smartboards across designated instructional spaces to replace aging interactive displays. The legacy units were experiencing frequent technical glitches, performance degradation, and persistent connectivity issues that disrupted lessons. This upgrade modernizes our classroom display infrastructure, restoring reliable uptime and supporting interactive, technology-driven instruction.

System Hardening & Testing Operations

- Removal of Admin-on-Demand: To strengthen overall cybersecurity, student access to "Admin-on-Demand" privileges was revoked across school-issued devices.
- Device Hardening: Preventing unauthorized software installations and removals eliminates registry and configuration conflicts that previously disrupted learning applications.
- Streamlined Testing: As a direct result of these security measures, standardized testing sessions ran markedly smoother this year, experiencing zero device-level software interference or technical delays.

E-Rate Category 1 Procurement Cycle

This fiscal year marks an active E-Rate Bidding Cycle for Category 1 services (Internet Access and Data Transmission). Because our current contract with Matanuska Telephone Association (MTA) is expiring at the end of this year, we will be posting Requests for Proposals (RFPs) to solicit competitive bids from qualified Internet Service Providers (ISPs). Our goal is to secure high-speed, reliable fiber-optic internet infrastructure while maximizing federal E-Rate discounts to keep local expenditures as low as possible.