
Technology Assessments

Technology Assessments are comprehensive reports that evaluate whether a client's existing Internet and technology infrastructure is sufficient to support current and future requirements, and that offer recommendations about making improvements. Our multi-disciplinary team of experts provides a comprehensive approach to supplement busy client staff. Our services and solutions provide an array of standard and custom options that can assist any client and meet any budget.

The base Technology Assessment includes two integrated components: enterprise infrastructure (fixed and mobile), and personal computing. Clients have the option to add data security assessment for an additional expense. For non-school clients, Dellicker adjusts context and terminology accordingly (e.g. "classroom computing" becomes "office computing").

Information for the assessment is collected through a combination of on-site walkthroughs and self-assessment tools provided by Dellicker. Dellicker understands the unique timelines and requirements of the federal E-Rate program and will adjust timelines and processes to comply with program rules. The two consolidated and one additional components are as follows:

1. ENTERPRISE INFRASTRUCTURE

This looks at the overall client systems in place to support digital applications and effective client information technology operations. For K-12 schools and libraries, most of these components are E-Rate eligible, either Category 1 or Category 2.

- Enterprise Infrastructure
 - External Connectivity (E-Rate Cat 1)
 - Worldwide Access (e.g. Internet)
 - Regional Access (e.g. Regional Wide Area Networks)
 - Specialty Access (e.g. Internet2; Community Networks, etc.)
 - Intra-District (Intra-Enterprise) Connectivity
 - Wide Area Networks (E-Rate Cat 1)
 - Cabling (Antennas, cabling, connectors, and related components used for internal broadband connections) (E-Rate Cat 2)
 - Access Points (Used in a local area network (LAN) or wireless local area network (WLAN) environment (such as wireless access points) (E-Rate Cat 2)
 - Mobile Systems (Wireless controller systems) (E-Rate Cat 2)
 - Networking Equipment (Switches, Routers, Racks) (E-Rate Cat 2)
 - Storage (E-Rate Cat 2)
 - Caching
 - Servers
 - Cloud-Based Services
 - Power (Wiring, Uninterruptible Power Supply) (E-Rate Cat 2)

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- Resiliency
 - Redundancy
 - Backup (Generators/Battery, etc.)
 - Systems and Protocols
 - Voice/Telephony
 - Supporting Software (For distributing high-speed broadband throughout buildings) (E-Rate Cat 2)
 - Infrastructure Support

2. PERSONAL COMPUTING

This component considers the classroom technologies available for students and teachers (or office workers in non-educational environments). Generally, these devices and applications are integral to the organization's information technology systems and should not be purchased separately without consideration of the enterprise infrastructure.

- Classroom Computing
 - Student Devices
 - Personal Computers
 - Laptops
 - Tablets
 - Bring Your Own Devices
 - Teacher Devices
 - Classroom Aids
 - Smartboards
 - Projectors
 - Other
 - Furniture
 - Information Applications
 - Digital Content
 - Policies and Procedures
 - Classroom Support

3. DATA SECURITY

This component evaluates critical aspects of the client's network security program.

- Hardware
 - Firewall
 - Firewall services and components (separate from basic firewall protection provided as a standard component of a vendor's Internet access service)
- Network Configuration
 - Firewall Settings

- Operating Systems
- Routers and Switches
- Anti-Virus
- Policies and Procedures
 - Regulatory Compliance
 - Student Data
 - Staff Records
 - Disaster Recovery
- Network Vulnerability
 - Internal Threats
 - External Threats
- Social Media

FORMAT

The Technology Assessment is delivered in three formats: a slide deck, an executive summary and a written report similar to the example in Attachment E. The report describes the methodology for compiling and analyzing the information, presents the results and makes recommendations for improvements. All the information is presented in enough detail to be helpful to technical staff but without the use of jargon so that it may be understood by laypersons and board members.

The most important part of the Technology Assessment is the recommendations section. Recommendations are designed to be reasonable, achievable and impactful to the evaluated client.

Often, Dellicker will propose a range of low-cost and high-cost options so clients may economize and make prioritized choices. Wherever practical, Dellicker will present recommendations that maximize the use of Category One and Category Two E-Rate funds.

The Technology Assessment is designed to be a standalone document. Clients may take the recommendations and implement them on their own without any further engagement by or obligation to Dellicker or hire Dellicker for procurement and technology management services.

PRICING

District/Enterprise Technology Assessments

The base district Technology Assessment includes integrated components 1-2 (enterprise infrastructure and personal computing) for a flat rate that includes up to five buildings.

- Flat Fee of \$29,772.00 per Assessment

District/Enterprise Data Security Assessment

- Flat Fee of \$29,772.00 per Assessment