

E. Technology Infrastructure and Support

This section is designed to address planning for the physical technology infrastructure required for the district to deliver ET-IL services. This includes elements of hardware, software, telecommunications services, and staffing needed to support the ET-IL program and subsequent technology infrastructure. The key elements of technology infrastructure are outlined below. Your district may have additional items that need to be included in your ET-IL plan based on local initiatives. Please remember that services that are requested on the Form 470 used in the E-Rate application process need to be reflective of the ET-IL plan.

- Telecommunications Capacity
- Telecommunications Services
- Equipment Access for Curriculum Support
- Equipment Access for Instruction, Including Assistive Technologies
- Equipment Access for Data and Assessment
- Equipment Access for Delivery of Library Services, Including Assistive Technologies
- Network and Data Security
- Level of Technology Staff Support
- Internet Access Capacity

Guiding Questions:

1. Describe your basic technology infrastructure. Include telecommunications.
2. Identify what you will need to do to provide adequate telecommunications capacity to meet ET-IL and district program needs.
3. Describe your basic telecommunications services.
4. Identify what you will need to do to provide adequate telecommunications, internet, and network services to meet ET-IL and district program needs. **(Still Needs Answered)**
5. What infrastructure/services are needed to assure district curriculum support? **(Still Needs Answered)**
6. What infrastructure/services are needed to assure assistive technologies are identified, provided and supported? **(Still Needs Answered)**
7. What infrastructure/services are needed to support staff use of assessment and data tools?
8. What infrastructure/services are needed to support delivery of library information services? What infrastructure/services are needed to support network and data security?
9. What level of technology staff support is needed to assure the infrastructure/services identified above?

10. How does your infrastructure support communication and involvement of parents and community?

FEDERAL REQUIREMENTS

E-Rate Requirement: The plan must include an assessment of the telecommunications services, hardware, software, and other services that will be needed to improve education or library services.

NCLB Requirement - Indicate the number of computers connected at High Speed. Indicate the number of computers connected at Dial Up. (New reporting requirement from DOE). (Still Needs Answered)

NCLB Requirement: Description of provisions for interoperability of components.

1, 2, 3) Telecommunications services include mail, electronic student information system, electronic grades, one-call emergency notification system, list serve, curriculum mapping, telephones in every classroom, and district website. We have procedures in place for software and hardware purchase and installation, a technology repair procedure, an inventory procedure, a discarding technology procedure, and a request for technology learning resources. Our telecommunications capacity is T1 and T3. Each building has computers in the office area, a computer in each classroom, and computers in the library. Our primary classrooms have computer clusters. The elementary building has a teaching lab. The middle school has a teaching lab, a mobile computer lab, and a student lab. The high school has a teaching lab, two student labs, and a tutorial computer lab. The administration office also has computers in each office, as does the transportation department. We are providing adequate telecommunications, internet and network services to meet ET-IL district program needs at this time. There is multi-line telephone service in each building, and the district utilizes a one-call service for emergencies and closings.

4)

5)

6)

7) The infrastructure in place allows staff to use a variety of assessment and data tools. However, more training is needed to help teachers effectively use these tools. We use on-line testing services for assessments such as NWEA.

8,9) At this time, the library information services and technology services are fully supported through the district budget. The automated card catalog can be accessed anywhere within the district and from outside the district. We have a mail foundry in place, a pix firewall, a N2H2 Bess filtering appliance in place and ISA firewall to assure data security. A need that has been identified is backing up data in a central location. An

additional need is that we do not have enough staff to support the infrastructure needs in the area of repair and maintenance. The telephone system within the district needs to be totally upgraded as the basic infrastructure is no longer supported by the vendor.

10) Our infrastructure has been developed so that parents can access student data including grades and attendance, district board minutes; district policies which are found on our district website, a list serve which sends mail to any interested community member or parent, and all meeting notices. We use a one-call system to notify parents in case of emergencies or closures.