



2009 Kan-ed 2.0 Connect Program

Important Information Regarding the NEW Kan-ed 2.0 Network!

October 29th, 2008

Kan-ed is excited to announce the new Kan-ed 2.0 Connect Program for 2009! This program will go into effect starting in January 2009. This network will bring you new services and will provide you with enhanced connectivity and optional Internet access via a State of Kansas contract. The contractor, AT&T, will provide direct connectivity and also work with your local provider. The Kan-ed 2.0 Advanced Virtual Private Network (AVPN) will allow you to have one integrated connection to receive both private network connectivity to Kan-ed 2.0 for video conferencing, teaching, training, meetings, data sharing, AND access to the commercial Internet...with one router and one network connection! Members can still select to have dedicated video room circuits (no Internet). Kan-ed, by utilizing benefits of the federal E-Rate Program for K-12 schools and libraries, and pricing through a state contract, have established new price points for access to Kan-ed 2.0. Kan-ed is incenting connections at the 1.5mb and 3.0mb level to increase broadband level connections in the State.

NOTE: All connection speeds/prices INCLUDE Internet access, private network access, use of a router, multimedia class of service (CoS/QoS), AVPN access, port charges, maintenance on router, and 24/7 management and monitoring of AVPN circuits and routers.

Direct Connected Members: T-1 Access (1.544mb)

- Provided at no cost to any Kan-ed member who currently has a T-1 or less of Internet or Kan-ed network access.
- Additionally, Kan-ed will file E-Rate on behalf of the K-12 school or library member.

Kan-ed

1000 SW Jackson Street
Suite 520
Topeka, KS
66612-1368

Phone: 785-296-0843
Network Operation Center:
785-856-9800
E-mail: kan-ed@ksbar.org,

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Direct Connected Members - 3.0mb Access

- AT&T will bill the Kan-ed member a \$500/month access charge. The Kan-ed K-12 school or library member can E-Rate this access charge, which will be approximately \$175 a month after E-Rate. Other members will pay the \$500 a month charge.
- Includes all the benefits under “NOTE” on page 1.

Direct Connected Members - 4.5mb and Higher Access Levels

Kan-ed has contracted through a Statewide contract to provide higher levels of connectivity to Kan-ed members. Costs include use of a router, and all the services at the 3.0mb and T-1 range:

4.5mb MLPPP	\$1475.00/mo
6.0mb MLPPP	\$1803.25/mo
7.5mb MLPPP	\$2166.95/mo
9mb MLPPP	\$2489.55/mo
10.5 mb MLPPP	\$2806.98/mo
10mb DS3	\$2175.71/mo plus distance*
12mb MLPPP	\$3122.87
20mb DS3	\$2555.10/mo plus distance*
30mb DS3	\$3069.24/mo plus distance*
40mb DS3	\$3508.14/mo plus distance*

- Above 40mb Call Kan-ed for a quote at 785-296-7027.

*Kan-ed at its sole discretion, may or may not assist Kan-ed members with distance charges. Assistance for distance charges will be determined on a case-by-case basis.

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Access for Kan-ed Members Using a Kan-ed Authorized Provider

Kan-ed will work with telecom and cable entities in the State on a standards based “peering” arrangement. Once local providers meet these industry technical and business standards, they will receive the designation of a “KAP” or Kan-ed Authorized Provider. Access to the Kan-ed network through this method will be for Kan-ed members that wish to use their local provider or are contracted to do such. In a “peered” model, the Kan-ed member will receive funding for broadband access at the 1.5mb (T-1) and 3.0mb level based on the cost that Kan-ed could provide the service via the State contract. This grant to the member represents the same amount of support that the member would receive by using the Kan-ed service directly. However, because the member is not directly connected to the Kan-ed network, Kan-ed does not have the ability to monitor and manage the Kan-ed member site. The Kan-ed member will need to call their Kan-ed Authorized Provider for initial trouble shooting and problem resolution. The KAP will then work with the Kan-ed Network Operation Center (NOC).

KAP Peered Connected Members - T-1 Access (1.544mb)

- Grant of \$229.87 per month

KAP Peered Connected Members - 3.0mb Access

- Grant of \$186.26 per month

KAP Peered Connected Members - 4.5mb and Higher Access Levels

- No grant funding. Kan-ed Direct Connect members receive the State contracted pricing, and Kan-ed Peered members receive pricing from their KAP.

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Page 4—Frequently Asked Questions (FAQ's)

1. If I already have 1.5mb of Internet service, can I add a free 1.5mb of Internet service to my connection? Kan-ed Internet pricing is based on the full level of connectivity to each member who connects to Kan-ed 2.0. If you need 3.0mb, you would need to purchase 3.0mb from your local provider, or 3.0mb of service through the Kan-ed provider (\$500/mo.) for Kan-ed 2.0. However, if you would like 1.5mb or 3.0mb of video/Kan-ed network service only on Kan-ed 2.0, then you can get that through Kan-ed at Kan-ed prices (free for 1.5mb, \$500 for 3.0mb). However, there may be certain cases where a member completely segregates traffic for a specific reason (Wireless Access) and wishes to use another provider for that. Kan-ed will work with the member to make sure the solution will work. Kan-ed reserves the right to not provide access to a member with multiple Internet connections if it puts the network or member at risk.

2. If I have 3.0mb dedicated to a video room, can I add 1.5 mb (free) or 3.0mb (\$500/mo) of service to another site? After you migrate to Kan-ed 2.0 (direct connection or peered connection), yes. You can add to sites with the Kan-ed 2.0 pricing model.

3. If I have a branch library or school district building *not* on a local area network, can I have multiple T-1 connections at no cost? Yes. If you have remote sites, buildings, or branches that are not part of your local area network (LAN), then Kan-ed will treat each site as a different connection. However, Kan-ed may at its option also require you to work with Kan-ed to implement a LAN solution for your institution instead of purchasing mass T-1 connections.

4. Will Kan-ed complete my E-Rate application for the free 1.5mb of service if I am a school or library? Yes. Kan-ed will collect a Letter of Agency from you, assist you in your technology plan, and require a CIPA compliance form.

5. Will Kan-ed complete my E-Rate application for 3.0mb of service (access portion) if I am a school or library? No. The Kan-ed member will need to submit their own E-Rate application for the \$500 monthly access charge (billed to you from AT&T directly). Kan-ed will need a Letter of Agency (LOA) from the Kan-ed member, since Kan-ed will E-Rate the router and port charges. The member can use the toll-free help line for E-Rate support that Kan-ed provides at 1-866-372-8302.

6. How do I know if my local provider is a Kan-ed Authorized Provider (KAP)? Kan-ed will publish a list on the Kan-ed website at www.kan-ed.org by January 1, 2009. This list will be updated monthly.

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7. What if my provider is not on the KAP list?

Kan-ed will do our best working with local providers to ensure they can become a KAP. However, if the local provider decides they do not want to be an KAP, or they cannot meet technical industry standards for peering, then the Kan-ed member will need an additional connection from Kan-ed to get to the Kan-ed network. This connection would fall under the Kan-ed pricing, regardless of the member's current connection speed from the local provider. Therefore, a T-1 would be free and 3.0mb would be at the reduced Kan-ed pricing level.

8. How soon can I connect to the new Kan-ed 2.0 network?

Kan-ed will begin accepting service initiation requests in December of 2008 or January of 2009. Currently connected Kan-ed members will be migrated to Kan-ed 2.0 on a priority basis. A notice will go out to these members in November or December of 2008.

9. What is Kan-ed, and why was Kan-ed created?

Kan-ed was created by the Kansas legislature in 2001 and funded in January of 2003. Kan-ed was established in statute to “provide for a broadband technology-based network to which schools, libraries and hospitals may connect for Internet access and intranet access for distance learning.” Kan-ed is currently funded at \$8 million per year from the Kansas Universal Service Fund, and \$2 million dollars from the State General Fund. Kan-ed members are defined in statute as libraries, hospitals, K-12 schools accredited by the Kansas State Department of Education, and accredited higher education institutions of learning. In addition to the network, Kan-ed provides an authenticated, single-sign on portal that provides student and teachers a place to store documents (electronic backpack), access databases, develop practice tests to meet the State standards established by KSDE, online tutoring (4 pm – 11pm each day) and more. In partnership with the State Library of Kansas, Kan-ed also provides educational and research databases that every citizen in the State of Kansas can access. Other services include EMResource, a web-based program that provides real-time information on hospital emergency department status, hospital patient capacity, the availability of staffed beds, and available specialized treatment capabilities for hospitals across Kansas, and E-Rate consultant services that ensure that Kan-ed and its members are able to maximize the acquisition of federal E-Rate funds in Kansas. Kan-ed also provides scheduled videoconferencing, worldwide access through a video bridge, and provides grant funding and support to our members for video equipment and services.

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The Future of Kan-ed

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Kan-ed will be establishing a new service initiation process in the near future. We will also be sending out more information. If you have questions, please contact Kan-ed at kan-ed@ksbor.org. Kan-ed will reach out to members at the 1.5mb and 3.0mb level to see who is interested in this service. Kan-ed will be working with libraries and K-12 schools to gauge the level of E-Rate applications that we will complete at the T-1 level, and the assistance members will need to E-Rate their access cost at the 3.0mb level. Members who are currently connected to the Kan-ed network will receive priority migration to the new network.

In the future, Kan-ed will be providing access to optional services. Some of those will be at no cost, and others will be on a cost-recovery (no profit) basis. A few examples of these services/features include:

- CIPA Filtering (including new requirements passed in October 2008 for Kan-ed 2.0 direct connected members)
- Data and Disaster Recovery Backup Services
- Kan-ed member LAN/WAN Network Consulting and Engineering Support Services
- Enhanced Video Scheduling and Management Services
- Video Streaming and Recording
- Kan-ed Distance Learning Academy
- And More!

For questions about the Kan-ed 2.0 Connect program, please contact Charmine Chambers at cchambers@ksbor.org, or at 785-296-7027.

PN: 561.06.2008.3179

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