

Kan-ed 2.0 Kan-ed Authorized Provider and Connection FAQ – 1/9/2008

1. KanEd is converting all IDL locations off of the 1.0 network at the end of this year.

YES...by June 30th, 2009.

2. The 1.0 network will be decommissioned June 30 and the existing NAP (Network Access Point) routers (Juniper M7i) as it exists today will be turned down.

YES

3. All IDL locations have been notified of the change and need to follow through with a request for 2 T1 facilities to be a direct replacement for their existing 3Mbps access. IDL locations with 3 T1's today will need to request 3 for the direct replacement.

YES...Kan-ed members will need to either get connected via the KAP method or direct connection method at www.kan-ed.org by filling out a service initiation ticket.

4. All IDL locations will be receiving a new Juniper site router following successful application process?

A new Juniper site router is provided with the direct Kan-ed connection, not through the KAP method. If the KAP method is chosen, then the site can keep their current router and use it or their provider can supply/sell a new one. Members that are connected via a KAP receive grant funds at the T-1 and 3.0mb level to help pay the KAP for circuit and a new router if necessary.

OPTION 1 – Connecting via a KAP (Kan-ed Authorized Provider)

5. A Telephone/Cable company can apply to become a KAP. Doing so will require the company to establish a Co-Locate facility in an AT&T POP.

Yes...Kan-ed will work with you on this. Just need NPA/NXX and circuit size sent bwilliams@ksbor.org or cchambers@ksbor.org. You also fill out the KAP application and can see the peering requirements at www.kan-ed.org to ensure you want to become a KAP.

6. Kan-ed will purchase an AVPN circuit to the KAP's central office and Kan-ed will also place a router there that will terminate the AVPN circuit. Hand-off to the KAP will be via gigabit Ethernet.

Yes.

7. The company would order and maintain the T1 circuits from the schools Juniper routers to our aggregation in the AT&T location.

No...the schools would not get a juniper router in the KAP scenario. They would use their existing routers (probably CISCO) or whatever they have. The KAP monitors/manages/the members network like they do today, including working with the Kan-ed member to order the necessary circuits from the KAP directly.

8. KanEd would maintain an interconnect point at the AT&T POP where they would accept the aggregated traffic from us.

YES

9. KanEd would E-Rate the T1 connections compensating the phone or cable company for circuits carried on our network between the school Juniper and the AT&T POP. We would not bill the school directly. The school would pay KanEd \$500 for the second circuit or any additional circuits ordered.

No...in the KAP method, the schools e-rate the circuits themselves, and you bill them for them. They just receive a grant from Kan-ed of up to \$229.87 per month for a T-1 or up to \$186.26 per month for a 3.0mb. The school uses the KAP SPIN number and applies for their own E-rate.

10. KanEd would pay for the company circuit to get to the Co-Location point at the AT&T POP.

Yes...Kan-ed will pay for the AVPN circuit to get your aggregated traffic to the AT&T POP so your members can get to Kan-ed 2.0 services.

Option 2: Direct Connect Method

11. The schools apply for the connectivity and Juniper site routers at www.kan-ed.org.

Yes they apply at www.kan-ed.org. This is for the T1, 3.0mb or whatever level of connectivity that they apply for. Kan-ed will E-rate all 1.5 connections, and the members E-rate the \$500 a month connection for the 3.0mb circuit and 100% of the cost for 4.5mb levels and higher.

12. Connection application is accepted and with no local KAP, circuits are ordered direct from AT&T to the site router.

Yes. If there is no KAP or the customer prefers the direct connection, then AT&T provisions the circuit for the Kan-ed member and schedules the circuit install and router install with the local provider.

13. The local company will probably be the one to deliver the AT&T provisioned circuits as standard tariff T1 access rates.

Yes, NECA tariff rates.

14. The school E-Rates the T1 circuit charges?

No. Kan-ed does the E-rate for the school on their behalf at the 1.5mb level. If they have the 3.0mb connection which is \$500, they e-rate the \$500 and use the AT&T SPIN number. They can reference using a state master contract and are not required to do a bid, although we recommend they do a 470 and get bids to be safe.