

## The Curators of the University of Missouri/Missouri Telehealth Network (MTN) Request for Recurring Telecom Services

Pursuant to FCC Order 07-198, WC Docket No. 02-60 adopted November 16, 2007 and released November 19, 2007, paragraph 86, this document includes information to enable an effective competitive bidding process for recurring telecom services.

### **Requested services:**

- Frame Relay T-1 or Inverse Multiplexing for ATM (IMA) tail circuit for 97 sites as listed on the Form 465 Attachment and pricing chart (Appendix B). Existing circuit contracts will be considered as a valid response to the Form 465 post and evaluated equal to independent Form 465 responses;
- ATM aggregation circuit(s) as needed to an appropriate University network hub facility listed in Appendix A. Existing contracts will be considered as a valid response to the Form 465 post and evaluated equal to independent Form 465 responses.

Please review the Tail & Aggregation Circuit Diagram below for an understanding of tail circuit, segment A, and aggregation circuit, Segment B. Tail circuit refers to the segment of a circuit that extends from the Health Care site location to the vendor network. Aggregation circuit refers to the segment that extends from the vendor network to the University network hub facility and is used to carry combined virtual circuits from multiple Health Care sites.

The required hub facility for each site is listed on the pricing chart (Appendix B). One aggregation circuit per hub is most cost effective, but the number of required aggregation circuit(s) to existing University network hub location(s) is entirely dependent on the solution response. The existing University network is owned by the University of Missouri and operated by MOREnet, a University of Missouri operating entity.

Pricing is requested for T1 (1.536Mb), 3.0Mb, 4.5Mb and 6.0Mb tail circuits with one year and three year commitment terms. Pricing is also requested for 45Mb (DS3) or 155Mb (OC3) aggregation circuit(s) with one year and three year commitment terms.

### **General Instructions:**

1. All questions and clarifications concerning this request for services must be submitted to:

Darla Higgins, Manager, Contracts and Procurement Services  
MOREnet  
3212 Lemone Industrial Blvd.  
Columbia, MO 65201  
Fax Number: 573-884-6673  
Email: [higginsdj@more.net](mailto:higginsdj@more.net)

2. Vendors must send their response by either postal mail, email or fax to same listed above.

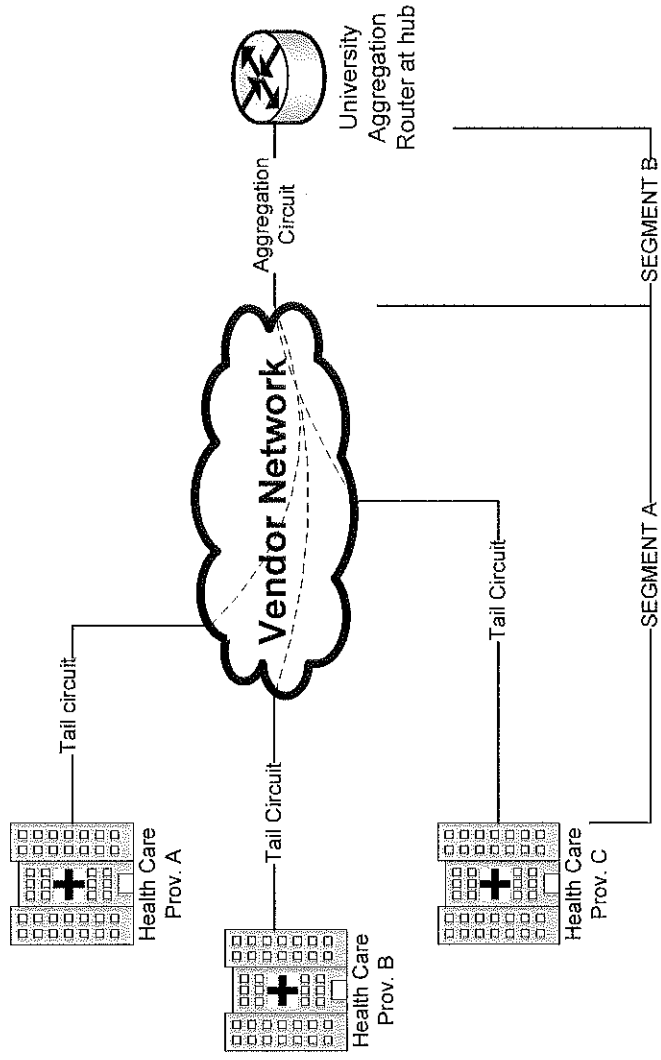
University of Missouri- Missouri Telehealth Network  
Request for Recurring Telecom Services  
06/2009

3. Vendors responding to this request for services must provide pricing for IMA and Frame Relay T-1 services from the address list in Appendix B and aggregated to the hub location specified in Appendix B.
4. Vendors must use the provided pricing page format for price response and the response must be in Microsoft Excel format. The response format must be capable to allow for copying cell information to MOREnet's evaluation spreadsheets. Any formulas in the response must be removed by the vendor before submitting the response. Price responses must include all costs, including but not limited to, regulatory fees, administrative fees, applicable taxes and surcharges. MOREnet will not pay any costs over the response price.
5. Vendor must provide service level agreements (SLA) for IMA and Frame Relay circuits that address the minimum network performance guidelines for vendor's network as listed below:

Latency:	120ms or less
Packet Loss:	0.7% or less
Network Availability:	99.95%
6. The vendor must participate in the Federal USF program for Rural Health and must provide their SPIN number in the response. Vendor must accept the USAC invoice policies and procedures specific to the RHC Pilot Program.
7. All circuits or services must adhere to the appropriate ITU/IEEE/ANSI standards.
8. Vendor must terminate the circuit inside the building at the specified demarc location as part of the normal installation. Demarc location details will be included in a MOREnet order form. No services will be authorized without a MOREnet order form.
9. Responses will be evaluated based on meeting the requirements listed in this document, monthly recurring and non-recurring costs of the tail circuit and the aggregation circuit, and the feasibility of the response in regards to the existing network design.
10. The evaluation and selection process will be finalized on, or shortly after, the allowable contract date as posted on the RHC website.

University of Missouri- Missouri Telehealth Network  
Request for Recurring Telecom Services  
06/2009

Tail & Aggregation Circuit Diagram



**Appendix A - MOREnet Hub Facilities**

Listed below are the vendors, and their contacts, that have ATM aggregation circuits at each hub facility.

Kansas City, MO POP Address	Vendor Facilities & MOREnet Aggregation Contractor Contacts:
1102 Grand LLC	<b>ATM Aggregation Circuits</b>
1102 Grand	<b>LightCore:</b> Lou Stamm, (314) 880-1870
Kansas City, MO 64110	<b>AT&amp;T:</b> Mary Jane Day, (314) 505-0900
	<b>Sprint:</b> Tom Johnson, (636) 530-4292
St. Louis, MO POP Address	Vendor Facilities
Digital Realty	<b>ATM Aggregation Circuits</b>
900 Walnut	<b>LightCore:</b> Lou Stamm, (314) 880-1870
St. Louis, MO 63121	<b>AT&amp;T:</b> Mary Jane Day, (314) 505-0900
	<b>Sho-Me Technologies:</b> Matt Arthur, (417) 468-2615

University of Missouri- Missouri Telehealth Network  
Request for Recurring Telecom Services  
06/2009

Springfield, MO POP Address	Vendor Facilities
Southwest Missouri State University Telecommunications Center Blair Shannon House 1001 E. Madison Ave. Springfield, MO 65804	<b>ATM Aggregation Circuits</b> <b>LightCore:</b> Lou Stamm, (314) 880-1870 <b>AT&amp;T:</b> Mary Jane Day, (314) 505-0900 <b>Sho-Me Technologies:</b> Matt Arthur, (417) 468-2615

Columbia, MO POP Address	Vendor Facilities
University of Missouri-Columbia Telecommunications Building 920 South College Columbia, MO 65201	<b>ATM Aggregation Circuits</b> <b>LightCore:</b> Lou Stamm, (314) 880-1870

University of Missouri- Missouri Telehealth Network  
Request for Recurring Telecom Services  
06/2009





