

State of Arkansas
OFFICE OF STATE PROCUREMENT
1509 West Seventh Street, Room 300
Little Rock, Arkansas 72201-4222

ADDENDUM 1

TO: Vendors Addressed
 FROM: Kim Fairchild, Buyer
 DATE: 12/23/14
 SUBJECT: **SP-15-0050 Telecommunications Services**

The following change(s) to the above-referenced RFP have been made as designated below:

- | | |
|----------|-------------------------------------|
| X | Change of specification(s) |
| X | Additional specification(s) |
| | Change of bid opening time and date |
| | Cancellation of bid |
| X | Other |

BID OPENING DATE AND TIME

- Bid opening date and time **shall** remain unchanged.

OTHER

- The correct email address for the State's buyer, Kim Fairchild, is Kimberly.fairchild@dfa.arkansas.gov

CHANGE OF SPECIFICATIONS

- **Delete SP-15-0050 Telecommunications Services Official Bid Price sheet located on the Office of State Procurement website at http://www.arkansas.gov/dfa/procurement/bids/bid_info.php?bid_number=SP-15-0050 and replace with the following:**
 SP-15-0050 Telecommunications Services AMENDED 12/23/14 Official Bid Price Sheet located on the Office of State Procurement website at http://www.arkansas.gov/dfa/procurement/bids/bid_info.php?bid_number=SP-15-0050
- **Delete 2.1.A.1 and replace with the following:**
 2.1.A.1 Category A: Managed transport services from district hub to regional aggregation point, including routing equipment at the district demarc, awarded by region. The designated regions are depicted in Figure 2. The circuit capacity specified for each site was determined using the rubric below. The exceptions to the rubric are noted as being the Arkansas Virtual Academy and the educational service cooperatives. Although these locations have low official user counts, they often host training and professional development activities that require higher bandwidth. ADE is only requesting pricing for one circuit capacity per school district.
- **Delete 2.1.C and replace with the following:**
 2.1.C The State Educational Technology Directors Association (SETDA) and Federal Communications Commission (FCC) have recommended minimum targets for K12 bandwidth in preparation for future demand. Pricing Table 1 of the Official Bid Price Sheet shows recommended 2015 capacity requirements for each district based on SETDA/FCC recommendations and current student counts. The vendor's provided network **must** have the capacity to provide concurrent access to world-class educational content for all students and staff with the ability to grow and adapt to meet future demands. This RFP **will** provide the infrastructure that **will** allow the State the opportunity to purchase broadband access while keeping ahead of future demand. The recommendations call for schools to provide a minimum circuit capacity of 1Mbps per student in the 2017-18 school year. This is not intended to represent actual Internet access bandwidth usage. It is unclear what bandwidth needs will follow 2018, and ADE does not anticipate

school districts needing more than 1 Mbps per student circuits prior to the expiration of any contracts resulting from this RFP.

- **Delete 2.1.G and replace with the following:**

2.1.G The provided services must include the transport, equipment, and management services necessary to provide an end-to-end solution for the district, where the provider owns the problems associated with the telecommunications services. The routing equipment provided must be sized appropriately for the specified site bandwidth and contain a firewall feature set and equivalent functionality. Vendor(s) should include in their bid pricing anything needed to complete the service proposed, for each category of service bid, including any fees associated with collocation at the designated aggregation points.

- **Delete 2.2.C and replace with the following:**

2.2.C ADE desires full clarity on expected costs and understands that many school districts have current contracts for some of the services solicited in this RFP. There are two phases of implementation in each region. Schools in the first phase either have contracts that expire in 2015 and 2016, or are in rural areas that are historically underserved. The second phase contains the school districts with contracts expiring beyond 2016. A list of estimated current contract expiration dates can be found in Appendix 1. Actual service start date will be July 1, 2015 for Phase 1 districts that are either not currently on contract or with contracts expiring in 2015. The remainder of the service start dates will vary depending on existing contracts and will be determined by mutual agreement of involved parties at a later date.

- **Delete 2.6.D and replace with the following:**

2.6.D The vendor's provided telecommunications services must be compatible with customer public or private IPv4 and IPv6 addressing. The network must support the participation of customers that use private network addresses.

- **Delete 2.9.B and replace with the following:**

2.9.B Any services procured through this RFP must abide by any applicable rules set forth in the ADE IT Data and Security Policy, which can be found at the following link: <http://arkedu.state.ar.us/commemos/static/fy0809/4185.html>

SECTION 3, SERVICE CATEGORY C EVALUATION MATRIX:

- **Delete #13 and replace with the following:**

13. Describe the transport medium used to deliver statewide network services to each location, which aggregation point was selected for delivery, and why it was selected.

ADDITIONAL SPECIFICATIONS

Add the following:

2.1.J Existing contracts shall not be voided or canceled without explicit written consent from the applicable school district or agency and the current service provider, as permitted in any applicable contract terms and conditions. It is not the intent of ADE to cause vendors to lose business as a result of this RFP. Participation in any services resulting from this RFP will be phased in based on current contract expiration dates, with the coordination of all parties involved. ADE will be the customer of record to any services procured through this RFP, and will assume E-Rate filing responsibility for those services. Any services procured through this RFP are not going to be sold back to school districts.

2.2.I Vendor(s) may choose any of the eight (8) designated aggregation points as their regional WAN end point for any of the school districts in the region. ADE understands it may be more cost effective for some vendors to utilize an aggregation point outside of the designated region. Vendor(s) **must** choose aggregation points that produce the most cost-effective solution for each school district. For example, if it is most cost effective to connect some school districts in Region 9 to UAFV, and to connect some school districts to NLRK, vendor(s) may utilize both of the aggregation points for that region.

2.2.J For bandwidths of 10 Gbps or higher, vendor(s) may propose multiple 10 Gbps handoffs with port channels or singular handoffs with higher capacities to accommodate the specified bandwidth. Vendor(s) **must** propose the most cost effective solution.

- 2.2.K Any firewall equipment provided must have stateful capabilities. All infrastructure proposed for circuits with a specified bandwidth of 1Gbps or greater **must** support Jumbo frames with a Maximum Transfer Unit (MTU) up to 9192 bytes.
- 2.3.D The bid price entered on Pricing Table 2 for Category B services **must** include managed point-to-point connections for all of the eight (8) aggregation points designated in this RFP. The aggregation points were carefully selected and ADE anticipates that all of them will be utilized in Category A or D awards. Each leg of the backbone **must** be priced individually as designated on Official Bid Price Sheet Table 2 in the event that all eight (8) aggregation points are not utilized in awards to Category A services. The managed aggregation router **must** be included in the bid price and **must** accommodate 400 Gbps backplane and 10+ 100 Gbps modules. Each aggregation point may not route the same amount of traffic.
- 2.3.E Vendors responding to Category B services are encouraged to contact the owners of the facilities to verify any collocation service pricing, space limitation, or other pertinent information. The designated aggregation points should have reasonable space and allow reasonable access. More information can be found at the following links:
<https://www.aron.net/about/membership/membership-rate-card/>
<http://www.dis.arkansas.gov/Documents/Rate%20Sheet%2010.13.14.pdf>
- 2.4.F Internet access may be delivered to any of the eight (8) aggregation points. Internet access services **must** abide by the service level objectives outlined in this RFP.
- 2.5.H Vendor(s) may choose any of the eight (8) designated aggregation points as their regional WAN end point for any of the school districts in the region. ADE understands it may be more cost effective for some vendors to utilize an aggregation point outside of the designated region. Vendor(s) **must** choose aggregation points that produce the most cost-effective solution for each school district.
- 2.5.I For bandwidths of 10 Gbps or higher, vendor(s) may propose multiple 10 Gbps handoffs with port channels or singular handoffs with higher capacities to accommodate the specified bandwidth. Vendor(s) **must** propose the most cost effective solution.
- 2.5.J Any firewall equipment provided must have stateful capabilities. All infrastructure proposed for circuits with a specified bandwidth of 1Gbps or greater **must** support Jumbo frames with a Maximum Transfer Unit (MTU) up to 9192 bytes.

The specifications by virtue of this addendum become a permanent addition to the above referenced RFP. FAILURE TO RETURN THIS SIGNED ADDENDUM MAY RESULT IN REJECTION OF YOUR PROPOSAL.

PROPOSALS WILL BE ACCEPTED UNTIL THE TIME AND DATE SPECIFIED. THE PROPOSAL ENVELOPE MUST BE SEALED AND SHOULD BE PROPERLY MARKED WITH THE PROPOSAL NUMBER, DATE AND HOUR OF BID OPENING AND BIDDER'S RETURN ADDRESS. IT IS NOT NECESSARY TO RETURN "NO BIDS" TO THE OFFICE OF STATE PROCUREMENT.

If you have any questions please contact Kim Fairchild at kimberly.fairchild@dfa.arkansas.gov or (501) 324-9316.

Company: _____

Signature: _____

Date: _____