



STATE OF WASHINGTON  
OFFICE OF FINANCIAL MANAGEMENT

**RFQ NO. 15-700**

*Ethernet Transport Services  
for the  
K-20 Education Network*

**AMENDMENT NO. ONE (1)**

**OFM RESPONSE TO BIDDER QUESTIONS**

**09.25.2015**

**OFM Answers to Bidders' Questions**

This OFM Answer to Bidders' Questions may only explain or clarify some aspect that is already addressed in the RFQ. However, some of the answers may also supplement or change what was previously stated in the RFQ or in an exhibit.

*Therefore it is important that bidders review all questions and answers, and not just those which they may have submitted.*

## **Bidders' Questions & Answers**

**Question 1: Please provide address that services would terminate to.**

**ANSWER:** The addresses for the endnotes are in attachment a. The addresses for the three nodes sites are in the body of the RFQ.

**Question 2: On the Site List Attachment "A" document, there is a line item for Profile "A" MRC - and Profile "B" MRC, but only 1 item on the document for Site "NRC".**

**Since there could be a considerable amount of difference in the Pricing Profiles for Bandwidth (100 to 1000Mb, etc.) on the NRC, would it be possible to have an NRC item for each Profile "A" and "B"?**

**If the above is a bit confusing –**

<b>Profile "A"</b>	<b>Profile "A"</b>	<b>Profile "B"</b>	<b>Profile "B"</b>
<b>MRC</b>	<b>NRC</b>	<b>MRC</b>	<b>NRC</b>

**ANSWER:** There is a single NRC for each site, regardless of bandwidth profile. If vendors believe they will incur an increase in installation costs from profile A to profile B, they are free to allocate those costs into their MRC for the associated profile B.

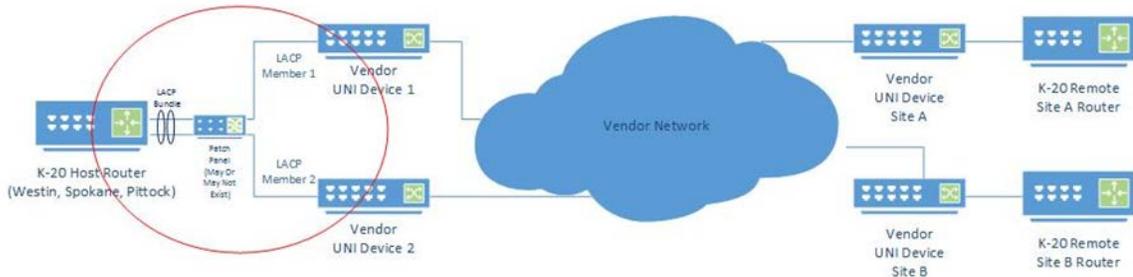
**Question 3: Section 4.12 Link Aggregation**

**Please provide clarification on how and where you envision the vendor (service provider) to implement Link Aggregation Control Protocol 802.3ad standard. A pictorial example is requested with the response.**

**ANSWER:** Below please find the drawing requested in addition to written response below to the question. The Vendor is to implement LACP at the Host sites (utilizing Vendor's terminology, K-20 terminology may alternately be Node Sites – The Westin Building in Seattle WA, the Pittock building in Portland, OR and the USBank Building in Spokane, WA) when in the agreement with K-20, the vendor must deliver more than 1 Host site link to service Remote site (vendor terminology, K-20 terminology may alternately call them End site) locations. Multi-Chassis LACP is preferred, however, if unable to provide Multi-Chassis LACP, standard LACP configuration is acceptable.

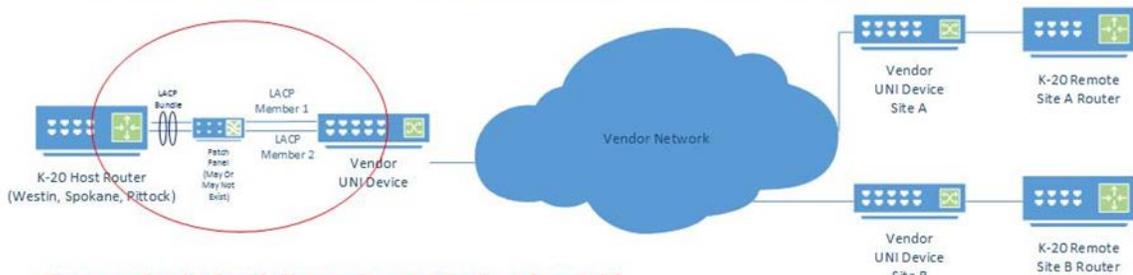
## Multi-Chassis LACP Configuration (preferred)

The connections to the K-20 Host Router located at either Westin, Spokane or Pitttock is where LACP would be possibly utilized.



## Standard LACP Configuration

The connections to the K-20 Host Router located at either Westin, Spokane or Pitttock is where LACP would be possibly utilized.



The areas enclosed in the red ellipses is where LACP is to be implemented if the vendor needs to provide multiple host links to service remote site (Site A, Site B, etc...) connections as per the agreement with K-20.

**Question 4:** *Is it the intent of the design to be Ethernet Virtual Private Line (EVPL) with identified EVPL Host sites at the Westin, Spokane and Pitttock meet me rooms? The remote EVPL sites are serviced multiplexed at the EVPL Host site.*

**ANSWER:** It is the intent of the design to have an aggregated delivery of EVPL services at the Host sites (Vendor terminology, K-20 defined in answer above) delivering the service of multiple Remote sites (Vendor terminology, K-20 defined in answer above) to the locations as specified by K-20. This may be delivery in a meet-me-room of the Host site, to a specified patch panel or to an alternate location within the facility.

**Question 5:** *Are group bid allowed on this RFQ as they were on the last bid?*

**ANSWER:** No group bids will be accepted as a part of this procurement.

**Question 6: 5.3.5 Error statistic reporting**

**Are there specific statistics K-20/OFM is looking for on this requirement?**

**ANSWER:** K-20 is looking for performance statistics, which are relevant to the type of service being offered. As this is most likely an EVPL service, specifically the following:

- Total packets and bytes input and output
- Unicast, broadcast and multicast packets and bytes.
- Input Errors
- Output Errors
- Collisions
- Discards
- Overruns
- Runts
- Giants
- Carrier Sense Errors
- Resets
- Throttles
- CRC Error

**Question 7: 5.5.3 Timeline for installation**

***If there are extenuating circumstances i.e. securing permits, that cause a delay beyond the 45 or 90 day interval provided the request for permits were submitted in a timely manner, would K-20/OFM be willing to extend the installation interval for a reasonable period of time on a site by site basis?***

**ANSWER:** Although extenuating circumstances may exist on any service installation, any extension of the installation interval for any reason would be at the sole discretion of K-20/OFM.