

**Avoid Common Mistakes on Your E-rate Applications: Help with Your Category 1 Requests** 

Welcome Oregon Schools & Districts!

### **EducationSuperHighway Overview**

Non-partisan non-profit whose mission is to upgrade the Internet access in every public school in America



Digital learning is the most scalable path to equal educational opportunity



Access to sufficient bandwidth is a prerequisite



Upgrading schools is a national priority

### **EducationSuperHighway in Oregon**

We have partnered with the Oregon Department of Education to provide the following to districts and ESDs:



Data input training on the Form 471 and E-rate application process



Data verification support for Oregon's ESDs as they verify E-rate data quality



Strategic analysis on medium, costs, and bandwidth across the state

### Our partnership with ODE



### **Ben Tate**

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### **Amy McLaughlin**

Director & E-rate Coordinator, ODE Office of Information Technology

### Sabrina Carson

Assistant E-rate Coordinator, Williamette Education Service District



### Why providing quality data matters

### Represent your district

 Accurately represent your district's purchases to compare yourself to districts with common characteristics within your local region or state

### Provide you with meaningful analysis

Accurate data will allow us to identify aggregate broadband trends within your state

### Measure your progress towards ConnectEd goals

- Accurately representing what your district is purchasing will allow you to understand your progress towards the 2018 goal
- Contribute to our national understanding of the broadband progress of America's schools

### Minimize your USAC follow up

Providing more clarity in your application minimizes follow up required by USAC





**Basic Information** 

**Discount Calculation** 

**Funding Requests** 

Certifications & Signature

### **Discount Calculation**

Connectivity Questions #1 & #2

### **FRN Key Information**

- Telecommunications vs Internet Access vs Voice
- Pricing Confidentiality

### **FRN Item 21 Line Items**

- Service Type Categorization
- Determining Purpose
- Define Terminology: Burstable, Last Mile, WAN



### (#1) Connectivity Question 1

To calculate your school district's bandwidth per 1000 users, simply divide the total Internet access bandwidth your district receives by the total number of users (students and staff). Multiply your answer by 1000 and choose the appropriate selection.

Ex: 2000 Internet Mbps ÷ 1500 users × 1000 = 1,333 Mbps per 1000 users

Does the school district (or school, if not part of a district) have Internet access of

- less than 100 Mbps per 1,000 users (students and staff)
- at least 100 Mbps per 1,000 users but less than 1Gbps per 1,000 users
- oat least 1 Gbps per 1,000 users



### (#2) Connectivity Question 2

How many of the schools in the school district have Wide Area Networking connections that are scalable to 10 Gbps?				

This question is trying to understand the number of schools in your district that have a fiber connection. If only a portion of schools in your district have fiber circuits, indicate the number of schools.

## The only broadband product scalable to 10 Gbps is FIBER.



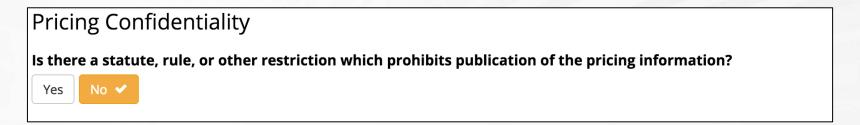
### (#3) Category 1: Telecommunication vs Internet Access vs Voice

Category 1	Possible Services
Telecommunications	Wide Area Network
Internet Access	Internet Access Wide Area Network
Voice Services	Local & Long Distance Cell Phone Voice T1/DS1 circuits for phone lines

- All services that supply broadband connectivity to your school or district's door from outside the entity should be categorized under Internet Access
- All Wide Area Network connectivity should be categorized under Telecommunications
- Any service or product used for Voice Services MUST be categorized appropriately as it is subject to the 20% phasedown

### Most common mistakes: FRN Key Information

### (#4) Pricing confidentiality clause



### USAC will follow-up with all FRN's that are identified as restricted under a privacy clause

- If you select "Yes," you will be asked to cite the type of restriction an the specific citation.
- If you are unsure, ask your service provider to provide the specific documentation in your contract that prohibits you from sharing pricing information.



### (#5) Category 1 Service Types

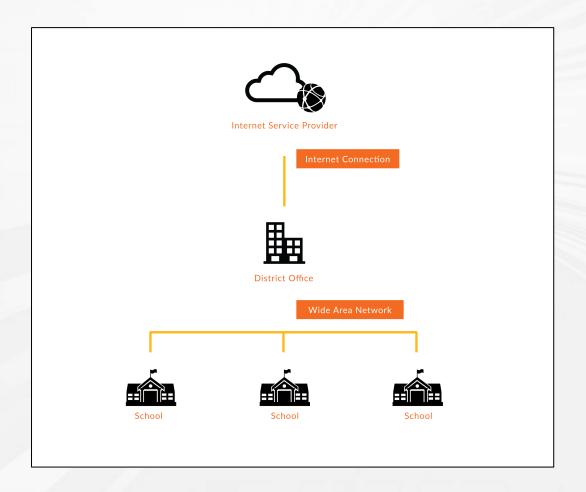
Service Type	Item 21 Service Description
Digital Transmission Service	Internet Access Wide Area Network
IA Only (no circuit)	ISP Services
Wireless Service	Wireless broadband connections Data Cards
Voice Services	Cell phone voice Local & long distance

# Do not choose IA Only (no circuit) for Internet access

The majority of broadband connectivity should be categorized under the Digital Transmission Service. This will allow you to choose a Product (Lit fiber, DSL, etc.)



### (#6) Broadband purpose



**Identify HOW** the broadband service is being used within your school or district's network connectivity



Purpose	Item 21 Service
Internet	<ul> <li>Internet access</li> <li>ISP Services (transport to your school or district bought separately)</li> </ul>
Transport	<ul> <li>Wide Area Network (WAN) connecting your buildings</li> <li>A transport connection from your district office to your ISP (Internet access to your school or district bought separately)</li> </ul>
Transport and Internet	<ul> <li>A bundled service including both your Internet access and WAN, however you should be able to itemize your services. If unsure, please ask your service provider to itemize your services.</li> </ul>



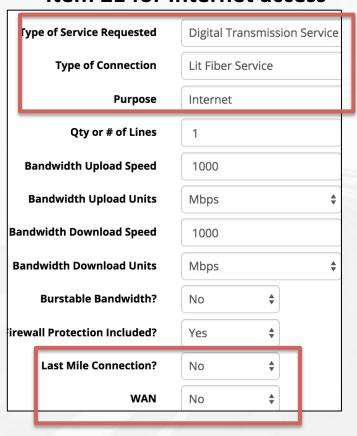
(#7) Itemize Services According to Purpose

# Provide a separate Item 21 line item for Internet access as well as your Wide Area Network

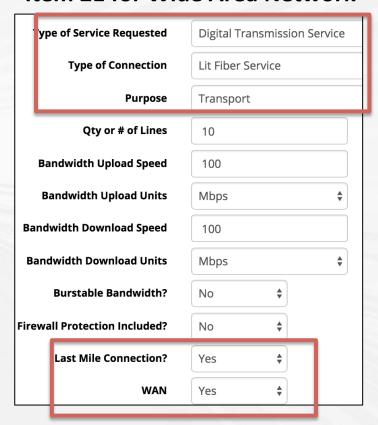




#### Item 21 for Internet access



#### **Item 21 for Wide Area Network**

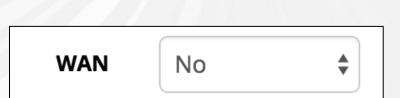




### (#8) Burstable

Burstable Bandwidth is the customer's ability to use more bandwidth, temporarily, than what is contracted for. Sometimes you may incur overage charges with this service. Ask your service provider.

**Purpose: Internet** 



Burstable Bandwidth?	Yes \$
Burstable Speed	
Burstable Units	<b>\$</b>

### (#9) WAN (Y/N)

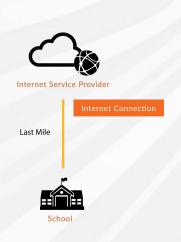
A Wide Area Network is the broadband connectivity between all of the schools within your district. This does not include the connection from the Internet to the district office.

**Purpose: Transport** 

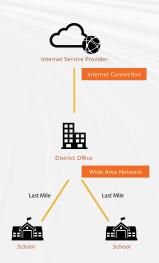


### (#10) Last Mile

- A last mile connection as a connection to an individual building, such as a WAN connection OR a direct Internet connection for any school or library that does not have a WAN.
- The main Internet access connection from the service provider to a district hub DOES NOT qualify as a last mile connection.



**Single School** 



**School District** 



School District w/outlying school

### In summary



- 1. Connectivity Q#1: Calculate Mbps per 1000 users
- 2. Connectivity Q#2: Specify number of schools with fiber
- 3. Category 1: Determine Telecommunications vs Internet Access vs Voice
- 4. Privacy Clause: Choose no, unless you have documentation
- 5. Service Type: Choose Digital Transmission for most broadband services
- 6. Purpose: Identify how the broadband service is used
- 7. Itemize your Services: Separate Internet access from WAN line items
- 8. Burstable: Identify on invoice or check with your service provider
- 9. WAN: Choose Yes, only if service is "Transport" connections between buildings
- 10. Last Mile: Identify and assign connections



### **Next Step Resources**

- Contact your ESD with district specific questions
- Read ESH FAQ
  - http://www.educationsuperhighway.org/form-471-help/
- USAC videos and newsletters
  - http://www.usac.org/sl/tools/modernization-order/default.aspx