

E-rate Form 471 Category 1 Filing Guide FY 2024



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FY 2024 Form 471 Filing Dates



- Form 471 deadline is March 27, 2024
 - Last possible day to post a 470, and file a Form 471 is February 27
- PIA reviews begin quickly for early-submitted!
 - Applicants that have made mistakes find that they still have time to rebid and/or refile
- Wave 1 of funding commitment letters should be issued in mid-late April

What's New on the FY 2024 Form 471?

The only changes relate to
School Bus Wi-Fi funding requests
(see slide 130) and these must be filed on a
separate Form 471



Reminders...

- Create FRNs by individual circuit cost and then quantity (#) of circuits
- List taxes/surcharges as separate FRN Line Item
 - These can be a quantity of 1
- If you missed the Admin Window to update enrollment/NSLP data
 - After filing the Form 471, immediately submit RAL Modification to indicate accurate data
 - PIA will review this request during application review
- Answering Category 1 'Yes/No' Questions
 - Answer 2nd Question first (is this for a WAN?)
 - If the answer to the 2nd Question is Yes, then the answer to 1st question is No
 - Internet FRNs should almost always answer No/Yes
- Contract amendments: If you amended or extended your contract and no new 470 was posted, don't create a new Contract Record. Simply keep proof of the change and provide to PIA upon request
 - There is no way to modify an existing Contract Record in EPC

Before Starting Your Form 471...

- Do you have a signed vendor contract?
 - Any multi-year service arrangement must be in a contract document signed by the applicant prior to submitting the Form 471
- Have you created Contract Records for each new contract in the EPC Contract Module?
 - > EPC Landing Page > District Name > Contracts from top toolbar
 - See <http://e-ratepa.org/?p=35315> for helpful Contract Records Guide
 - Don't create a new Contract Record for existing contracts
- Are you exercising a contract extension?
 - Extension must be authorized in original contract
 - Contract extension must be 'signed' by applicant prior to submitting the Form 471
 - Follow procedure set forth in contract for exercising renewal option
 - Don't create new contract record for extension
- Do you have the contract or invoice by building in front of you?
- If you've answered YES to all these questions, then you're ready to file a Form 471!

Shortcuts...

- 1) Cable Internet FRN example – slide 18
MTM service

Coaxial Cable Internet FRN

- 2) Internet w/Fiber Transport FRN example – slide 41
Contracted service

Internet Access via Fiber FRN

- 3) Lit Fiber WAN FRN example – slide 64
Contracted service

Lit Fiber WAN FRN

- 4) Submitting/Printing Form – slide 96

Submitting Form

- 5) Copy FRN Feature – slide 109

Copy FRN Feature

- 6) Special Fiber Costs – slide 117

Special Fiber Costs FRNs

- 7) School Bus Wi-Fi FRNs – slide 130

School Bus Wi-Fi FRNs

- 8) Top Category 1 Form 471 Filing Tips! – slide 133



Starting a Form 471 From Your EPC Landing Page

- Log into EPC at: <https://portal.usac.org/suite/>
- From the Landing Page, select “FCC Form 471” in top right corner



The screenshot displays the EPC Landing Page interface. At the top, there is a blue navigation bar with tabs for 'News', 'Tasks (1)', 'Records', 'Reports', and 'Actions'. A user profile icon and the 'Appian' logo are visible in the top right corner. Below the navigation bar, the page is titled 'My Landing Page'. On the left side, there is a logo for 'Universal Service Administrative Co.' with the text 'Training' above it. On the right side, there is a horizontal menu of links: 'Funding Request Report', 'FCC Form 470', 'FCC Form 471', 'FCC Form 486', 'Appeal', 'FCC Form 500', 'SPIN Change', 'Service Substitution', 'Hurricane Impact Designation', 'Manage Users', 'Manage Organizations', 'USAC Website', 'Contact Us', and 'Help'. The 'FCC Form 471' link is circled in red, and a red arrow points to it from the top right of the page. Below the logo, the text 'Welcome, PAS BEST SCHOOL DISTRICT - (PARENT ENTITY)!' is displayed.

Application Nickname

> FCC Notice Required By The Paperwork Reduction Act (OMB Control Number: 3060-0806)

Billed Entity Information

THE BEST SCHOOL DISTRICT - (PARENT ENTITY)

100 Main Street

Apt 2

Springfield, PA 19064

555-555-5555

school.district4.user1@mailinator.com

Billed Entity Number: 108

FCC Registration Number: 0123456789

Applicant Type: School District

Application Nickname

Please enter an application nickname here. ? *

Category 1 Form 471 - FY 20XX

Enter a really descriptive nickname so you can easily find the form in "My Tasks" later

Identifying Correct Contact Person

Contact Information

Are you the main contact person?

YES ✓ NO

Holiday / Summer Contact Information

Holiday/summer contact is optional.

Please provide any alternate contact information to use during holiday/ vacation period including the name of any alternate contact person and how best to reach them.

If you are the main contact person, select "Yes." If someone other than the person completing the 471 should receive the e-mail correspondence about this application, select "No" and then select one of the other "Users" in your EPC account. (Your Account Administrator can add additional Users and they will appear as available after the new User has logged in and accepted the T/C's.)

Selecting Category 1 or Category 2

Basic Information	Entity Information	Funding Requests	Certify				
<p>Next, you will identify the category of service for the product and services you are requesting. If you need help determining the correct category of service, please review the Eligible Services List on the USAC website.</p> <h2>Category of Service</h2> <p>What is the category of service for the product and services that you are requesting?</p> <p>You can only select one Category of Service per FCC Form 471. You can submit a second application for the other Category of Service.</p> <table><tbody><tr><td>CATEGORY 1 ✓</td><td>CATEGORY 2</td></tr><tr><td><ul style="list-style-type: none">• Data Transmission and/or Internet Access</td><td><ul style="list-style-type: none">• Basic Maintenance of Internal Connections• Internal Connections• Managed Internal Broadband Services</td></tr></tbody></table>				CATEGORY 1 ✓	CATEGORY 2	<ul style="list-style-type: none">• Data Transmission and/or Internet Access	<ul style="list-style-type: none">• Basic Maintenance of Internal Connections• Internal Connections• Managed Internal Broadband Services
CATEGORY 1 ✓	CATEGORY 2						
<ul style="list-style-type: none">• Data Transmission and/or Internet Access	<ul style="list-style-type: none">• Basic Maintenance of Internal Connections• Internal Connections• Managed Internal Broadband Services						

Select either "Category 1" or "Category 2."
For this Form 471 Guide, we are filing for Category 1 services.

Note: C1 and C2 requests cannot be filed on the same 471.

District Entity Information

BEN Name	BEN	Urban or Rural	State LEA ID	State School ID	NCES Code	School District Attributes	How does the district report its student count for Category Two budget?	Sum of Student Counts of all Schools in the District	Endowment Amount
THE BEST SCHOOL DISTRICT - (PARENT ENTITY)	108	Urban	12335	N/A		Public School District	A number for each school in the district	5520	None

FCC Form 471 Help

Show Help

BACK

DISCARD FORM

SAVE & SHARE

SAVE & CONTINUE

Nothing to do on this page. It simply shows the information from EPC about your entity district or school.

Be careful NOT to click on the name of the district in blue because it will take you out of this Form 471 and into the District's EPC profile. If you do leave the application, just go to "My Tasks" on your EPC Landing Page and click on the Form 471 name to re-enter the application.

School Entity Information

Entity Details
Fields with '*' next to them are not sortable

Entity Name ↑	Entity Number	Urban or Rural	NIF*	State LEA ID	State School ID	NCES Code	# of students that attend this school full time	Student Count Based on Estimate*	Alternative Discount	CEP Percentage	CEP Base Year	Total Students for C2 Budget	School Attributes*	Endowment Amount	Annexes*
Anderson Elementary School	10602	Urban					1234	N/A	None	N/A	N/A	1234	Public School, Pre-K	None	View Annexes
Blue Ribbon School District Office	10606	Rural		N/A	N/A			N/A	N/A	N/A	N/A			None	View Annexes
Bluford Middle School	10600	Urban					1234	N/A	None	N/A	N/A	1234	Public School	None	View Annexes
Boone Middle School	10598	Urban					344	N/A	None	N/A	N/A	344	Public School	None	View Annexes
Buchanan Elementary School	10603	Urban					222	N/A	None	N/A	N/A	222	Public School	None	View Annexes

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Nothing to do on this page. It just shows discount-related data that was entered into each school's EPC profile. If you need to make corrections to this data, they must be done by submitting a RAL Correction [after](#) the Form 471 is submitted.

Again, be careful NOT to click on the school's name in blue because you will be taken out of this Form 471 and into that school's EPC profile.

District E-rate Discounts

Requested Discount Calculation

More than 50 percent of your individual schools must be rural for the school district to be considered rural. (Swing spaces are not considered.)

This discount rate has not been approved for the current year

School District Full-time Enrollment	School District NSLP Count	School District NSLP Percent	School District Urban/Rural Status	Category One Discount Rate	Category Two Discount Rate
5761	4820	84%	Urban	90%	85%

SHOW ENTITIES

FCC Form 471 Help

Show Help

BACK

DISCARD FORM

SAVE & CONTINUE

This page shows your discount rate for each category of service. The discounts are calculated based on the data that is in the EPC Profile for each school or library.

(If you forgot to update this data during the Admin Window or see that data needs corrected, file a RAL Modification after the Form 471 is filed and the change will be made during PIA review.)

Discount Calculation Errors...

If you receive a red box showing this discount calculation error:

The information in your organization's profile is not sufficient to calculate your Discount Rate.

it's because data is missing from one or more of you school's EPC profiles and must be corrected.

If you receive this message, contact USAC at 888-203-8100 immediately so they can fix the underlying data which will then allow your application to proceed.

Note: There is no way for you to fix this yourself because the entity profiles have been locked.

Creating Your Funding Requests

- The next step is to create your FY 2024 Funding Requests
 - Funding Requests, known as FRNs, provide details to USAC about the services for which you are seeking discounts
 - Each separate service or contract will have its own FRN
 - There can be multiple FRNs per Form 471
 - But Category 1 and Category 2 FRNs must be filed on separate 471s
- There are two sections to each funding request:
 1. **FRN Key Information**
 - Links to the relevant contract record (or indicates it's MTM if no contract)
 - Provides updated Contract Expiration Date
 - Provides general FRN description in narrative box
 2. **FRN Line Item(s)**
 - Provides details about service/bandwidth/purpose
 - Provides recurring and/or one-time cost data for each line item
 - Identifies which schools or libraries are receiving that service
 - Must have separate FRN Line Items for each different speed or service or cost
 - Also, taxes/fees must be listed on separate FRN Line Items

Shortcuts...

- 1) Cable Internet FRN example – slide 18
MTM service

Coaxial Cable Internet FRN

- 2) Internet w/Fiber Transport FRN example – slide 41
Contracted service

Internet Access via Fiber FRN

- 3) Lit Fiber WAN FRN example – slide 64
Contracted service

Lit Fiber WAN FRN

- 4) Submitting/Printing Form – slide 96

Submitting Form

- 5) Copy FRN Feature – slide 109

Copy FRN Feature

- 6) Special Fiber Costs – slide 117

Special Fiber Costs FRNs

- 7) School Bus Wi-Fi FRNs – slide 130

School Bus Wi-Fi FRNs

- 8) **Top Category 1 Form 471 Filing Tips! – slide 133**



Example 1:

Coaxial Cable Internet FRN

(month-to-month service)



FRN Example 1: Coaxial Cable Internet

- Assumptions for this example:
 - MTM service (not under contract)
 - Note MTM services must have a FY 2024 Form 470 that was filed after 7/1/2023
 - ** Unless using the Commercially Available Bundled Internet Option (CABIO)
 - *** Cable modem services, including those using CABIO, can also be multi-year contracts but for this example, we're showing MTM
 - Coaxial Cable Internet Service
 - 1 circuit
 - \$149.00/month
 - 100 Mbps download/20 Mbps upload

** The **CABIO** option doesn't require a Form 470, but service generally must be found on vendor's website as commercially available, cost \$3,600 or less annually per individual school or library(including taxes, fees, equipment and installation) and provide bandwidth speeds of at least 100 Mbps downstream and 10 Mbps upstream. If using this option, select NO when asked if a Form 470 was posted.

Adding a Funding Request

This is the main FRN page, not to be confused with the FRN Line Item Page. You will add your funding requests one by one on this page.

Funding Requests

To create or update specific FRN Line Item(s), please click on the FRN number hyperlink.

<input type="checkbox"/>	FRN	↓ Nickname	Number of FRN Line Items	FRN Calculation
You haven't created any Funding Requests (FRNs) yet. Click the "Add FRN" button to start creating your first FRN				
				ADD FRN EDIT FRN REMOVE FRN



Funding Request Key Information

Funding Request Key Information

Please enter a Funding Request Nickname here ⓘ*

Cable Internet Service - Comcast ←

Is this Funding Request a continuation of an FRN from a previous funding year?

YES NO✓ ←

Copy FRN

If you want to copy an existing Funding Request, select Copy FRN below. Note that if an FCDL has been issued for the FRN, the approved version of the FRN will be copied.

COPY FRN ←

Service Type

What is the service type of the product and services that you are requesting?

Data Transmission and/or Internet Access ←

Provide a descriptive nickname for each funding request.

If you requested this service last year and the service is continuing for FY 2024, you may select "yes" and supply the FRN from FY 2023.

Optional: Use this feature to copy previous FRN filed in EPC for same/similar service. Then search by 471 or FRN number to copy data from last year. (See slide 109)

The only choice is: "Data Transmission and/or Internet Access."

Note: This example is not showing the Copy FRN feature.

Contract vs. MTM

FRN Contract

How are the services for this FRN being purchased?

Contract information is stored in your Profile; you can add a new Contract at any time. Details about your Tariff and Month-to-Month services will be entered in your FRN.

CONTRACT

TARIFF

MONTH-TO-MONTH ✓

Select either "Contract" or "Month-to-Month." Don't select "Tariff."
The FRN in this example is for MTM service.

Bidding Information

Establishing FCC Form 470

How many bids were received? *

Indicate how many viable bids were received based on this Form 470 procurement.

Enter the number of bids that you received for this product or service.

Was an FCC Form 470 posted for the product and/or services you are requesting?

 YES NO

Select "Yes" (unless you are using the 'Commercially Available Bundled Internet' Option **).

Use the search tool below to find the establishing FCC Form 470.

Remember that the services in the contract had to be posted on the FCC Form 470.

Remember you cannot file your Form 471 before the Allowable Contract Date.

Search FCC Forms 470

Search by FCC Form 470 Number

Search by BEN

Don't enter a 470 # -- simply click "Search" using the pre-filled BEN to find a list the Form 470's posted for your entity.

** The **CABIO** option doesn't require a Form 470, but service generally must be found on vendor's website as commercially available, cost \$3,600 or less annually per individual school or library and provide bandwidth speeds of at least 100 Mbps downstream and 10 Mbps upstream. If using this option, select NO.

Selecting the Form 470

Select the Form 470 # that was used to competitively bid this service.

Search by BEN

[CLEAR FILTERS](#) [SEARCH](#)

<input type="checkbox"/>	FCC Form 470 Number	Nickname	Funding Year ↓	BEN	BEN Name	Allowable Contract Date	Service Type
<input type="checkbox"/>	210000124	FY 2021 - Switches/Wireless - C2	2021	108	THE BEST SCHOOL DISTRICT - (PARENT ENTITY)	12/11/2020	Internal Connections
<input type="checkbox"/>	210000120	FY 2021 - C2 Wireless	2021	108	THE BEST SCHOOL DISTRICT - (PARENT ENTITY)	12/10/2020	Internal Connections
<input checked="" type="checkbox"/>	240000118	FY 2024 – MTM Internet	2024	108	THE BEST SCHOOL DISTRICT - (PARENT ENTITY)	1/15/2024	Data Transmission and/or Internet Access

Remember: Because this is a MTM FRN, you must select a Form 470 # that was posted for FY 2024 because MTM services must be bid each year.

Acct # and Service Provider

Service Provider

Account Number (e.g., billed telephone number)

← - - - - -

Optional: If you have an existing relationship with the vendor and know the account number, list it here. Otherwise, leave it blank.

If your service provider has given you one or more Account Numbers, please enter them.

Use the search tool below to find the establishing ser

Search Service Providers

Search by SPIN Search by Name (Full or Partial)

Then select the correct Service Provider from the list.


*

<input checked="" type="checkbox"/>	SPIN	Name	Doing Business As	State
<input checked="" type="checkbox"/>	14010001	USAC Service Provider Organization 1		VA


Entering Service Start and End Dates

Dates

What is the service start date? ?*

When will the services end? *

Enter the date when services will start for this Funding Year

Service Start Date

Enter the date the services will begin in THIS funding year. Service Start Dates will almost always be 7/1/2024 (this will be pre-populated for you).

Service End Date

Enter the date services will end within THIS funding year, which is generally 6/30/2025 (the last date of the funding year).

Pricing Confidentiality

Next, you will identify any pricing confidentiality restrictions for the product or services you are requesting.

Pricing Confidentiality

Is there a statute, rule, or other restriction which prohibits publication of the specific pricing information for this contract?

YES

NO ✓



Always answer "No."

Fiber Questions

Fiber Request Key Information

Does this FRN include a request for any of the following eligible broadband options?

- **Special construction.** One-time, upfront costs associated with building out leased lit fiber, leased dark fiber, or a self-provisioned network (i.e. special construction charges), or wireless service; and/or
- **Maintenance and operations.** Costs associated with the maintenance and operations for either a leased dark fiber or self-provisioned network; and/or
- **Network equipment.** Costs associated with the purchase of Network Equipment needed to make leased dark fiber or a self-provisioned network functional (e.g., modulating electronics and other equipment).

If any of the above apply, select "Yes" below.

Select "No" if you are only seeking support for the monthly recurring costs for either a leased lit fiber service or a leased dark fiber service (i.e., recurring payments on a dark fiber lease or IRU), or a wireless service.

Notes:

- If you are seeking support for both the Special Construction, Maintenance and Operation, and/or Network Equipment as well as support for recurring costs associated with leased lit fiber, a dark fiber lease/IRU, or a wireless service then you create multiple FRNs. In each case, you will select a different answer to the Yes/No question based the specific services that are included in that FRN.
- If you select "Yes" below, you should create separate FRNs for special construction charges, maintenance and operations (M&O) charges, and Network Equipment charges. If charges for M&O and Network Equipment are bundled pursuant to a single contract for those products/services, you may use the Network Equipment/M&O FRN option.

 YES

 NO ✓


This FRN is for a coaxial cable Internet service, so the answer is "No."
Unfortunately, the Form 471 does not yet know this is for a cable Internet service, so it doesn't know to skip this question.

FRN Narrative Box

Narrative

Provide a brief explanation of the products and services that you are requesting, or provide any other relevant information regarding this Funding Request. You should also use this field to describe any updates to your entity data, such as revised student counts, entity relationships, etc, that you were unable to make after the close of the Administrative filing window for profile updates. These changes will be addressed during the application review process. *

This FRN is for coaxial cable internet service.

Provide a brief narrative explanation of the FRN to enable your PIA reviewer to understand the services you are requesting.

Hint: No need to provide too much information here.

FCC Form 471 Help

Show Help

BACK

CANCEL

SAVE & VIEW FRN(S)

SAVE & ADD/MANAGE FRN LINE ITEMS

Note: if you click 'Save & View FRNs' you will be taken to the main FRN page. If you click 'Save & Add FRN Line Items' you will be taken directly to the Add FRN Line Items page.

Adding FRN Line Item

<input type="checkbox"/>	FRN Line Item Number	↓	Function	Type of Product	Quantity	One-time Quantity	Total Eligible FRN Line Item Cost
You haven't created any FRN Line Items yet. Click the 'Add New FRN Line Item' button to start creating your first FRN Line Item.							
				ADD NEW FRN LINE ITEM	REMOVE FRN LINE ITEM	BULK UPLOAD	



Select "Add New FRN Line Item."

Selecting the Purpose

Internet WITH transport

District WAN connections

Transport from district to ISP (not common)

Internet WITHOUT transport (not common)

Purpose ⓘ*

- Internet access service that includes a connection from any applicant site directly to the Internet Service Provider
- Data Connection between two or more sites entirely within the applicant's network
- Data connection(s) for an applicant's hub site to an Internet Service Provider or state/regional network where Internet access service is billed separately
- Internet access service with no circuit (data circuit to ISP state/regional network is billed separately)

Select the "Purpose" that best matches your funding request. For Coaxial Cable Internet Service (and most Internet Access services), select the first bullet.

Selecting the Function

Then select the "Function" (method of transport) from the drop-down menu (coaxial cable internet would be 'Copper').

Function ? *
Copper
<i>Please select a value</i>
Fiber
Copper
Wireless
Other
Miscellaneous

Selecting the Type of Connection

Then select the "Type of Connection" from the drop-down menu.

Note: Available options will change, depending on what was selected for the Function.

Please enter Product and Service Details Information for this Data Transmission and/or Internet Access Line Item

Please select a value

- ATM
- ISDN-BRI
- Cable Modem**
- T-1
- T-3
- T-4
- T-5
- Digital Subscriber Line (DSL)
- Ethernet
- Fractional T-1

Bandwidth Speeds

Indicate the bandwidth download and upload speeds, and the units used (Mbps or Gbps).

Note: Coaxial Cable Internet Service will likely have different download and upload speeds.

Bandwidth Download Speed *	<input type="text" value="100.000"/>	Burstable Bandwidth? <input type="button" value="YES"/> <input checked="" type="button" value="NO ✓"/> ↑ <i>Answer whether the service is burstable. (Answer "No" for cable modem service).</i>
Bandwidth Download Units *	<input type="text" value="Mbps"/>	
Bandwidth Upload Speed *	<input type="text" value="20.000"/>	
Bandwidth Upload Units *	<input type="text" value="Mbps"/>	

Please specify the upload speed if it is different than the download speed.

Yes/No Connection Questions

Note: These questions are not self-explanatory.
Hint: Answer 2nd Question first (is this for a WAN? Y/N).
If the answer to the 2nd Question is “No,” then the answer to 1st question is “Yes.”
Internet Access FRNs will answer the questions as shown below:

<p>Is this a direct connection to a single school, library or a NIF for Internet access? ⓘ *</p> <p>Note: If the request is for direct connections, you will be required to allocate the total number of lines (monthly quantity) among the recipients listed for this line item.</p> <p><input checked="" type="checkbox"/> YES ✓ <input type="checkbox"/> NO</p>	<p>Does this include firewall services? *</p> <p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ✓</p>
<p>Is this a connection between eligible schools, libraries and NIFs (i.e., a connection that provides a “Wide area network”)? ⓘ *</p> <p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ✓</p>	<p><i>Answer whether the service includes firewall services. (Answer “No” if you’re unsure).</i></p>

Entering Monthly Costs for this FRN Line Item

Use the total unit monthly cost for one line and any ineligible monthly costs.

If you have any one-time costs such as installation fees, list them in this column. Otherwise, list \$0 for each entry.

Monthly Cost		
Monthly Recurring Unit Cost		\$149.00
Monthly Recurring Unit Ineligible Costs		\$0.00
Monthly Recurring Unit Eligible Costs		= \$149.00
Monthly Quantity		1
		= \$149.00
Months of Service		x 12
Total Eligible Recurring Costs		= \$1,788.00

System will subtract ineligible from total to determine eligible.

List the # of lines/circuits for this FRN Line Item.

System has calculated # of months based on the service start and service end dates listed on a prior screen

One-Time Cost		
One-time Unit Cost		\$0.00
One-time Ineligible Unit Cost		\$0.00
One-time Eligible Unit Cost		= \$0.00
One-time Quantity		0
Total Eligible One-time Costs		= \$0.00

Summary		
Total Eligible Recurring Costs		\$1,788.00
Total Eligible One-time Costs		+ \$0.00
Pre-Discout Extended Eligible Line Item Cost		= \$1,788.00

Identifying Recipients of Service for this Line Item

Select "Yes" if all buildings receive this service (most common for C1 FRNs).

Select "No" if only some buildings receive the service. If you select "No," you are prompted to select/check the buildings receiving the service.

Manage Recipients of Service

Is every entity for this organization receiving service?

YES ✓

NO

Selected Entities

BEN	BEN Name
109	Plainfield Elementary School
110	Jacksonville Jr/Sr High School
111	Tech Central/Maintenance NIF
10597	Gallaudet Elementary School

Confirming Recipients of Service for this Line Item

This page confirms Recipients of Service.

If you need to make a change, click on Manage Recipients of Service.

If no changes, click Continue to return to the FRN Line Items Page.

BEN	Name	
10602	Anderson Elementary School	
10606	Blue Ribbon School District Office	
10600	Bluford Middle School	
10598	Boone Middle School	
10603	Buchanan Elementary School	
10599	Franklin High School	
10597	Gallaudet Elementary School	
10601	Guggenheim Elementary School	
110	Jacksonville Jr/Sr High School	
109	Plainfield Elementary School	

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[MANAGE RECIPIENTS OF SERVICE](#)

FCC Form 471 Help

Show Help

[BACK](#) [CONTINUE](#)

FRN Line Item Page

<input type="checkbox"/>	FRN Line Item Number	Function	Type of Product	Quantity	One-time Quantity	Total Eligible FRN Line Item Cost
<input type="checkbox"/>	2499000046.001	Copper	Cable Modem	1	0	\$1,788.00

ADD NEW FRN LINE ITEM REMOVE FRN LINE ITEM BULK UPLOAD

BACK DISCARD FORM SAVE & SHARE SAVE & CONTINUE

Notice, the system generated a line item number after the FRN number (.001)

If you have more line items for this FRN, click [here](#) to add an additional FRN Line Item.

If you have no more FRN Line Items/Costs for this FRN, click "[Continue](#)" to return to the main FRN page.

Main FRN Page

As you can see, 1 FRN was created, with 1 FRN Line Item.
Click "Add FRN" to start a second FRN, or "Review FCC Form 471" if you are finished with the application.

To create or update specific FRN Line Item(s), please click on the FRN number hyperlink.

<input type="checkbox"/>	FRN	↓ Nickname	Number of FRN Line	
<input type="checkbox"/>	2499000046	Cable Internet Service - Comcast	1	\$1,609.20

ADD FRN **EDIT FRN** **REMOVE FRN** **MANAGE FRN LINE ITEMS**

FCC Form 471 Help

Show Help

BACK **DISCARD FORM** **SAVE & SHARE** **REVIEW FCC FORM 471**

System has calculated the total amount of E-rate funds requested for each FRN (this isn't the pre-discount amount). Click on the amount to see calculations.

Note: To edit the FRN information or remove the FRN entirely, check the appropriate box beside the FRN number.

To modify the FRN Line Item data, click on the FRN number to return to the FRN Line Item page.

Example 2: Internet Access Bundled with Fiber Transport (contracted service)



FRN Example 2: Internet Access

- Assumptions:
 - 2-year contract, with one, 1-year extension
 - Signed in Jan. 2023
 - Expiration of initial term is 6/30/2025
 - 1 FRN line item
 - Internet bundled with fiber transport
 - 1 GB of Internet
 - Costs:
 - Monthly invoice (MRC) - \$850
 - 1-time \$500 connection fee

Main FRN Page

Funding Requests

To create or update specific FRN Line Item(s), please click on the FRN number hyperlink.

<input type="checkbox"/>	FRN	Nickname	Number of FRN Line Items	FRN Calculation
<input type="checkbox"/>	2499000046	Cable Internet Service - Comcast	1	\$1,609.20

[ADD FRN](#) [EDIT FRN](#) [REMOVE FRN](#)



Click "Add FRN" to add an additional Category 1 FRN and start the data-entry process for the Key Details of the FRN.

Funding Request Key Information

Funding Request Key Information

Please enter a Funding Request Nickname here *

Provide a descriptive nickname for the funding request.

Is this Funding Request a continuation of an FRN from a previous funding year?

 YES ✓ NO

If you requested this service last year and the contract is continuing for FY 204, you may select "Yes" and supply the FRN from FY 2023 year. If not, select "No."

Previous Year FRN Number *

Copy FRN

If you want to copy an existing Funding Request, select Copy FRN below. Note that if an FCDL has been issued for the FRN, the approved version of the FRN will be copied.

 COPY FRN

Use this option to copy previous FRN for same/similar service. See slide 109 for details.

Service Type

What is the service type of the product and services that you are requesting?

The only choice is: "Data Transmission and/or Internet Access."

Contract vs. MTM

FRN Contract

How are the services for this FRN being purchased?

Contract information is stored in your Profile; you can add a new Contract at any time. Details about your Tariff and Month-to-Month services will be entered in your FRN.

CONTRACT ✓ TARIFF MONTH-TO-MONTH

Select either "Contract" or "Month-to-Month" (don't select "Tariff").
The FRN in this example is for a **contract** service.

Linking to a Contract Record

Click "Search" to see all your contracts listed.

Next, you will associate a contract to your FRN. Please search for a contract below and select one to associate it to the FRN.

▼ Associate a Contract

Search by Creating Organization BEN

Search by Nickname (All or Partial)

Search by Contract ID

Search by Contract No.

CLEAR FILTERS

SEARCH

Since "Contract" was selected on the previous screen, you will be prompted to search for the appropriate contract record that you have entered in the EPC Contract Module.

You must have your Contract Records created in your EPC portal in order for this to work. If you have not yet created your CR's, in a separate tab, go to > Landing Page > District Name > Contracts from top menu bar > Manage Contracts > Add New Contract.

Choosing the Appropriate Contract

▼ Associate a Contract

Search by Creating Organization BEN

Please note that BEN is a required field and you can use other search fields to narrow down your result.

Search by Contract ID

Search by Nickname (All or Partial)

Search by Contract No.


<input type="checkbox"/>	Contract ID	Contract Number	Nickname	Award Date ↓	Creating Organization BEN
<input checked="" type="checkbox"/>	7321		2023 – Internet – Zito	1/22/2024	108
<input type="checkbox"/>	6989		2021 - Aruba - CDWG	2/3/2021	108

After clicking "Search," you will see all of the contracts you entered in EPC. Select the correct contract that should be linked to this funding request.

Entering Service Start and Contract Expiration Dates

Contract Information (Additional)

What is the service start date? ?*

Enter the date when services will start for this Funding Year

What is the date your contract expires for the current term of the contract? ?*

Service Start Date

Enter the date the services will begin in THIS funding year. Service Start Dates will almost always be 07/01/2024 (this will be pre-populated for you).

Contract Expiration Date

You will need enter the expiration date for the current term of this contract. (Don't include any future extensions.)

Special Fiber Questions

Fiber Request Key Information

Does this FRN include a request for any of the following eligible broadband options?

- **Special construction.** One-time, upfront costs associated with building out leased lit fiber, leased dark fiber, or a self-provisioned network (i.e. special construction charges), or wireless service; and/or
- **Maintenance and operations.** Costs associated with the maintenance and operations for either a leased dark fiber or self-provisioned network; and/or
- **Network equipment.** Costs associated with the purchase of Network Equipment needed to make leased dark fiber or a self-provisioned network functional (e.g., modulating electronics and other equipment).

If any of the above apply, select "Yes" below.

Select "No" if you are only seeking support for the monthly recurring costs for either a leased lit fiber service or a leased dark fiber service (i.e., recurring payments on a dark fiber lease or IRU), or a wireless service.

Notes:

- If you are seeking support for both the Special Construction, Maintenance and Operation, and/or Network Equipment as well as support for recurring costs associated with leased lit fiber, a dark fiber lease/IRU, or a wireless service then you create multiple FRNs. In each case, you will select a different answer to the Yes/No question based the specific services that are included in that FRN.
- If you select "Yes" below, you should create separate FRNs for special construction charges, maintenance and operations (M&O) charges, and Network Equipment charges. If charges for M&O and Network Equipment are bundled pursuant to a single contract for those products/services, you may use the Network Equipment/M&O FRN option.

YES NO ✓



This FRN is for Internet Access service, so the answer is likely "No" but the vendor requires network build-out to bring Internet to your location, the answer could be Yes. If yes, see slide 117 for help.

FRN Narrative Box

Narrative

Provide a brief explanation of the products and services that you are requesting, or provide any other relevant information regarding this Funding Request. You should also use this field to describe any updates to your entity data, such as revised student counts, entity relationships, etc, that you were unable to make after the close of the Administrative filing window for profile updates. These changes will be addressed during the application review process. *

This FRN is for 1 GB of Internet Access delivered via fiber.

Provide a brief narrative explanation of the FRN to enable your PIA reviewer to understand the services you are requesting.

Hint: No need to provide too much information here.

FCC Form 471 Help

Show Help

BACK CANCEL

SAVE & VIEW FRN(S)

SAVE & ADD/MANAGE FRN LINE ITEMS

Note: if you click 'Save & View FRNs' you will be taken to the main FRN page. If you click 'Save & Add FRN Line Items' you will be taken directly to the Add FRN Line Items page.

Adding FRN Line Item

<input type="checkbox"/>	FRN Line Item Number	Function	Type of Product	Quantity	One-time Quantity	Total Eligible FRN Line Item Cost
You haven't created any FRN Line Items yet. Click the 'Add New FRN Line Item' button to start creating your first FRN Line Item.						
			ADD NEW FRN LINE ITEM	REMOVE FRN LINE ITEM	BULK UPLOAD	

Select "Add New FRN Line Item" to begin building your FRN.

Selecting the Purpose

Internet WITH transport

District WAN connections

Transport from district to ISP (not common)

Internet WITHOUT transport (not common)

Purpose ?*

- Internet access service that includes a connection from any applicant site directly to the Internet Service Provider
- Data Connection between two or more sites entirely within the applicant's network
- Data connection(s) for an applicant's hub site to an Internet Service Provider or state/regional network where Internet access service is billed separately
- Internet access service with no circuit (data circuit to ISP state/regional network is billed separately)

Select the "Purpose" that best matches your funding request. For Internet Access w/Fiber Transport (and most Internet Access services), select the first bullet.

Selecting the Function

Then select the **“Function”** (method of transport) from the drop-down menu (bundled Internet is typically **Fiber**).

Function ? *
Fiber
<i>Please select a value</i>
Fiber
Copper
Wireless
Other
Miscellaneous

Selecting the Type of Connection

Then select the “Type of Connection” from the drop-down menu. Scroll to the bottom and select **Ethernet** for Internet delivered via fiber.

Note: Available options will change, depending on what was selected for the Function.

Please select a value

- DS-1
- DS-3
- DS-4
- Dark Fiber (No Special Construction)
- Dark Fiber IRU (No Special Construction)
- OC-1
- OC-3
- OC-12
- OC-24
- OC-48
- OC-192
- OC-256
- OC-768
- Switched Multimegabit Data Service
- OC-N (TDM Fiber)
- Digital Subscriber Line (DSL)
- Ethernet**
- MPLS

Please select a value

Bandwidth Speeds

Indicate the bandwidth download and upload speeds, and the units used (Mbps or Gbps).

Note: Fiber-based Internet will have the same download and upload speeds.

Bandwidth Download Speed *

1.000

Bandwidth Download Units *

Gbps

Bandwidth Upload Speed *

1.000

Please specify the upload speed if it is different than the download speed.

Bandwidth Upload Units *

Gbps

Burstable Bandwidth?

YES

NO ✓

Answer whether the service includes burstable bandwidth. (Answer "No" if you're unsure).

Yes/No Connection Questions

Note: These questions are not self-explanatory.

Hint: Answer 2nd Question first (is this for a WAN? Y/N).

If the answer to the 2nd Question is “No,” then the answer to 1st question is “Yes.”

Internet Access FRNs will answer as shown below:

Is this a direct connection to a single school, library or a NIF for Internet access? ? *

Does this include firewall services? *

Note: If the request is for direct connections, you will be required to allocate the total number of lines (monthly quantity) among the recipients listed for this line item.

YES ✓ NO

YES NO ✓

Is this a connection between eligible schools, libraries and NIFs (i.e., a connection that provides a “Wide area network”)? ? *

YES NO ✓

Answer whether the service includes firewall services. (Answer “No” if you’re unsure).

Next Step: Listing Costs

- The next screen asks us to enter the costs related to this FRN Line Item.
- We will use these assumptions:
 - 1 FRN line item
 - Costs:
 - Monthly invoice (MRC) - \$850
 - 1-time \$500 connection fee
 - No ineligible costs
 - Note: Monthly quantity means # of circuits, not # of months. For Internet, the answer is almost always 1 (not 12)

Entering Monthly Costs for this FRN Line Item

Use the total unit monthly cost for one line and any ineligible monthly costs.

If you have any one-time costs such as installation fees, list them in this column.
Note: small installation fees are not the same as special construction fees.

Monthly Cost	
Monthly Recurring Unit Cost	\$850.00
Monthly Recurring Unit Ineligible Costs	\$0.00
Monthly Recurring Unit Costs	= \$850.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$10,200.00

System will subtract ineligible from total to determine eligible.

List the # of lines/circuits for this FRN Line Item, not the # of months. 1 is typically the quantity for Internet FRNs.

One-Time Cost	
One-time Unit Cost	\$500.00
One-time Ineligible Unit Cost	\$0.00
One-time Eligible Unit Cost	= \$500.00
One-time Quantity	1
Total Eligible One-time Costs	= \$500.00

Summary	
Total Eligible Recurring Costs	\$10,200.00
Total Eligible One-time Costs	+ \$500.00
Pre-Discount Extended Eligible Line Item Cost	= \$10,700.00

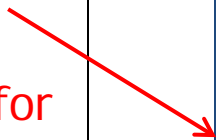
System has calculated # of months based on the service start and contract expiration dates listed on a prior screen

Total calculated Annual Pre-Discount Cost

Identifying Recipients of Service for this Line Item

Select "Yes" if all buildings receive this service (most common for C1 FRNs).

Select "No" if only some buildings receive the service. If you select "No," you are prompted to select/check the buildings receiving the service.



Manage Recipients of Service

Is every entity for this organization receiving service?

YES ✓ NO

Selected Entities

BEN	BEN Name
109	Plainfield Elementary School
110	Jacksonville Jr/Sr High School
111	Tech Central/Maintenance NIF
10597	Gallaudet Elementary School

Confirming Recipients of Service for this Line Item

This page confirms Recipients of Service.

If you need to make a change, click on "Manage Recipients of Service."

If no changes, click **Continue** to return to the FRN Line Items Page.

BEN	Name
10602	Anderson Elementary School
10606	Blue Ribbon School District Office
10600	Bluford Middle School
10598	Boone Middle School
10603	Buchanan Elementary School
10599	Franklin High School
10597	Gallaudet Elementary School
10601	Guggenheim Elementary School
110	Jacksonville Jr/Sr High School
109	Plainfield Elementary School

< 1 - 10 of 13 >

MANAGE RECIPIENTS OF SERVICE

FCC Form 471 Help
Show Help

BACK **CONTINUE**

Reviewing Line Items

<input type="checkbox"/>	FRN Line Item Number	Function	Type of Product	Quantity	One-time Quantity	Total Eligible FRN Line Item Cost
<input type="checkbox"/>	2399000047.001	Fiber	Ethernet	1	1	\$10,700.00

ADD NEW FRN LINE ITEM **REMOVE FRN LINE ITEM** **BULK UPLOAD**

BACK **DISCARD FORM** **SAVE & SHARE** **SAVE & CONTINUE**

Notice, the system generated a line item number after the FRN number (.001)

If you have another Internet Line Item, click [here](#). Otherwise, select "Save & Continue" to return to the Main FRN page.

Hint: Most Internet FRNs will only have 1 FRN Line Item because taxes/fees are typically not charged.

Main FRN Page

As you can see, 2 FRNs have been created, each with 1 FRN Line Items. Click "Add FRN" to start a third FRN, or "Review FCC Form 471" if you are finished with the application.

System has calculated the total amount of E-rate funds requested for each FRN (this isn't the pre-discount amount). Click on the amount to see calculations.

To create or update specific FRN Line Item(s), please click on the FRN number hyperlink

<input type="checkbox"/>	FRN	Nickname	Number of FRN Line Items	FRN Calculation
<input type="checkbox"/>	2499000047	Internet Access - Zito	1	\$9,180.00
<input type="checkbox"/>	2499000046	Cable Internet Service - Comcast	1	\$1,609.20

ADD FRN EDIT FRN REMOVE FRN MANAGE FRN LINE ITEMS

Note: To edit the FRN information, check the box beside the FRN number, and click "Edit" or "Remove FRN". To change the FRN Line Item data, click on the FRN number to return to the FRN Line Item page.

SAVE & SHARE REVIEW FCC FORM 471

Adding Another FRN

To create or update specific FRN Line Item(s), please click on the FRN number hyperlink.

<input type="checkbox"/>	FRN	Nickname	Number of FRN Line Items	FRN Calculation
<input type="checkbox"/>	2499000047	Internet Access - Zito	1	\$9,180.00
<input type="checkbox"/>	2499000046	Cable Internet Service - Comcast	1	\$1,609.20

ADD FRN EDIT FRN REMOVE FRN MANAGE FRN LINE ITEMS

FCC Form 471 Help

Show Help

BACK **DISCARD FORM** **SAVE & SHARE** **REVIEW FCC FORM 471**

Click "Add FRN" to add an additional Category 1 FRN.
If no additional C1 FRNs to add, click "Review FCC Form 471."

Example 3:

Lit Fiber WAN

(building to building connections)



FRN Example 3: Lit Fiber WAN

- **Assumptions:**
 - **Contracted service**
 - Signed in 2020
 - 5-year contract expiring 6/30/2025
 - **3 FRN line items:**
 - 1 building @ 10 GB - \$1200/circuit
 - 13 buildings @ 1 GB - \$800/circuit
 - \$350 taxes/fees
 - **Total monthly invoice - \$11,950**

Entering FRN Key Information

Funding Request Key Information

Please enter a Funding Request Nickname here ⓘ*

Lit Fiber WAN - Crown Castle ←

Provide a descriptive nickname for each funding request.

Is this Funding Request a continuation of an FRN from a previous funding year?

YES ✓ NO

If you requested this service last year and the contract is continuing for FY 2024, you may select "Yes" and supply the FRN # from FY 2023. If not, select "No."

Previous Year FRN Number *

2399000037 ←

Copy FRN

If you want to copy an existing Funding Request, select Copy FRN below. Note that if an FCDL has been issued for the FRN, the approved version of the FRN will be copied.

COPY FRN ←

Use this option to copy previous FRN filed in EPC for same/similar service. See slide 109 for details.

Service Type

What is the service type of the product and services that you are requesting?

Data Transmission and/or Internet Access ←

Select "Data Transmission and/or Internet Access."

Contract vs. MTM

Next, you will identify the purchasing agreement type for the product and services you are requesting.

FRN Contract

How are the services for this FRN being purchased?

Contract information is stored in your Profile; you can add a new Contract at any time. Details about your Tariff and Month-to-Month services will be entered in your FRN.

CONTRACT ✓

TARIFF

MONTH-TO-MONTH

Select either "Contract" or "Month-to-Month" (don't select "Tariff")
Since this FRN is for contracted service, select "Contract."

Linking to a Contract Record

Click "Search" to see all your contracts listed.

Next, you will associate a contract to your FRN. Please search for a contract below and select one to associate it to the FRN.

▼ Associate a Contract

Search by Creating Organization BEN

Search by Nickname (All or Partial)

Search by Contract ID

Search by Contract No.

CLEAR FILTERS

SEARCH

Since "Contract" was selected on the previous screen, you will be prompted to search for the appropriate contract record that you have entered in the EPC Contract Module.

You must have your Contract Records created in your EPC portal in order for this to work. If you have not yet created your CR's, in a separate tab, go to > Landing Page > District Name > Contracts from top menu bar > Manage Contracts > Add New Contract.

Choosing the Appropriate Contract

▼ Associate a Contract

Search by Creating Organization BEN

Please note that BEN is a required field and you can use other search fields to narrow down your result.

Search by Contract ID

Search by Nickname (All or Partial)

Search by Contract No.

<input type="checkbox"/>	Contract ID	Contract Number	Nickname	Award Date ↓	Creating Organization BEN
<input checked="" type="checkbox"/>	6764		2019 - Lit Fiber WAN - Crown Castle	2/1/2019	108

After clicking "Search," you will see all of the contracts you entered in EPC.

Select the correct contract that should be linked to this funding request.

Note: all of the details related to this Contract Record will appear after the contract is selected.

Entering Service Start and Contract Expiration Dates

Contract Information (Additional)

What is the service start date? ?*

07/01/2024



Enter the date when services will start for this Funding Year

What is the date your contract expires for the current term of the contract? ?*

06/30/2025



Service Start Date

Enter the date the services will begin in THIS funding year.

Service Start Dates will almost always be 7/1/2024 (this will be pre-populated for you).

Contract Expiration Date

You will need enter the expiration date for the current term of this contract. (Don't include any future extensions.)

Special Fiber FRN Question

Fiber Request Key Information

Does this FRN include a request for any of the following eligible broadband options?

- **Special construction.** One-time, upfront costs associated with building out leased lit fiber, leased dark fiber, or a self-provisioned network (i.e. special construction charges); and/or
- **Maintenance and operations.** Costs associated with the maintenance and operations for either a leased dark fiber or self-provisioned network; and/or
- **Network equipment.** Costs associated with the purchase of Network Equipment needed to make leased dark fiber or a self-provisioned network functional (e.g., modulating electronics and other equipment).

This question is asking whether this FRN is for any of the following:

- a) Special Construction Charges (construction costs for any new fiber network)
- b) Maintenance and Operations Charges (ongoing M/O costs for leased dark fiber or self-provisioned fiber networks)
- c) Category 1 Network Equipment (purchase of equipment needed to make leased dark fiber or self-provisioned fiber functional)

Most applicants with existing networks will answer “No” to this question.
The only times to answer “Yes” is when there is a 1-time, non-recurring construction charge to build the network, M/O expense or C1 network equipment. If yes, see slide 117 for help.

YES

NO ✓

For this FRN, we will answer “No” because it’s an existing network.

FRN Narrative Box

Narrative

Provide a brief explanation of the products and services that you are requesting, or provide any other relevant information regarding this Funding Request. You should also use this field to describe any updates to your entity data, such as revised student counts, entity relationships, etc, that you were unable to make after the close of the Administrative filing window for profile updates. These changes will be addressed during the application review process. *

This FRN is for the Districts leased lit fiber network, connecting each school to the schools network operations center.

Provide a brief narrative explanation of the FRN to enable your PIA reviewer to understand the services you are requesting.
Hint: No need to provide too much information here.

FCC Form 471 Help

Show Help

BACK CANCEL

SAVE & VIEW FRN(S)

SAVE & ADD/MANAGE FRN LINE ITEMS



New in FY 2021: if you click 'Save & View FRNs' you will be taken to the main FRN page. If you click 'Save & Add FRN Line Items' you will be taken directly to the Add FRN Line Items page.

Because this FRN has additional bandwidth circuits and taxes, we will select "Save & Add/Manage FRN Line Items." If you're done with this FRN, click "Save & View FRNs."

Adding FRN Line Item

<input type="checkbox"/>	FRN Line Item Number ↓	Function	Type of Product	Quantity	One-time Quantity	Total Eligible FRN Line Item Cost
You haven't created any FRN Line Items yet. Click the 'Add New FRN Line Item' button to start creating your first FRN Line Item.						
				ADD NEW FRN LINE ITEM	REMOVE FRN LINE ITEM	BULK UPLOAD

Select "Add New FRN Line Item"
to begin building your FRN.

Next Step: Entering Bandwidths/Costs

- The next screens ask us to enter the details related to this FRN Line Item.
- For this FRN, we will use these assumptions:
 - **3 FRN Line Items:**
 - 1 building at 10 GB - \$1200/circuit
 - 13 buildings at 1 GB - \$800/circuit
 - \$350 taxes/fees

Selecting the Purpose

Internet WITH
transport

District WAN
connections

Transport from
district to ISP

Internet
WITHOUT
transport

Purpose ⓘ *

- Internet access service that includes a connection from any applicant site directly to the Internet Service Provider
- Data Connection between two or more sites entirely within the applicant's network
- Data connection(s) for an applicant's hub site to an Internet Service Provider or state/regional network where Internet access service is billed separately
- Internet access service with no circuit (data circuit to ISP state/regional network is billed separately)

Select the "Purpose" that best matches your funding request.
For Leased Lit Fiber or Leased Dark Fiber FRNs, select the second bullet - 'Data connection between 2 or more sites.'

Selecting the Function

Then select the “**Function**” (method of transport) from the drop-down menu (this is typically **Fiber**).

Function ? *
Fiber
<i>Please select a value</i>
Fiber
Copper
Wireless
Other
Miscellaneous

Selecting the Type of Connection

Then select the “Type of Connection” from the drop-down menu. Scroll to the bottom and select **Ethernet** for Leased Lit Fiber. Leased Dark Fiber FRNs would select the Dark Fiber option.

Note: Available options will change, depending on what was selected for the Function.

Please select a value

DS-1
DS-3
DS-4
Dark Fiber (No Special Construction)
Dark Fiber IRU (No Special Construction)
OC-1
OC-3
OC-12
OC-24
OC-48
OC-192
OC-256
OC-768
Switched Multimegabit Data Service
OC-N (TDM Fiber)
Digital Subscriber Line (DSL)
Ethernet
MPLS

Please select a value



New FRN Narrative Quick Access

The Narrative Text Box is accessible during the FRN Line Item creation process.

Found below 'Type of Connection'

Function ⓘ *

Fiber

Type of Connection *

Ethernet

▼ Funding Request Narrative

Please use this field to add information specific to this line item to the funding request's narrative if you wish. The narrative is shared by the funding request and all of its line items. *

FRN Line Item .001 is for a single, 10 GB connection to our District data Center.

Bandwidth Speeds

Indicate the bandwidth speeds, and the units used (Mbps or Gbps).

Note: Fiber will have the same download and upload speeds.

Bandwidth Download Speed *	10.000	Burstable Bandwidth?
Bandwidth Download Units *	Gbps	
Bandwidth Upload Speed *	10.000	<input type="button" value="YES"/> <input checked="" type="button" value="NO ✓"/>
Please specify the upload speed if it is different than the download speed.		
Bandwidth Upload Units *	Gbps	

Answer whether the service includes burstable bandwidth. (Answer "No" if you're unsure).

For this FRN Line Item, we are applying for a 10 GB connection to a single school.

Yes/No Connection Questions

Note: These questions are not self-explanatory.
Hint: Answer 2nd Question first (is this for a WAN? Y/N).
If the answer to the 2nd Question is “No,” then the answer to 1st question is “Yes.”
WAN FRNs will usually answer as shown below:

<p>Is this a direct connection to a single school, library or a NIF for Internet access? ? *</p>	<p>Does this include firewall services? *</p>
<p>Note: If the request is for direct connections, you will be required to allocate the total number of lines (monthly quantity) among the recipients listed for this line item.</p>	<p>YES NO ✓</p>
<p>YES NO ✓</p>	<p><i>Answer whether the service includes firewall services. (Answer “No” if you’re unsure).</i></p>
<p>Is this a connection between eligible schools, libraries and NIFs (i.e., a connection that provides a “Wide area network”)? ? *</p>	
<p>YES ✓ NO</p>	

Entering Monthly Costs for this FRN Line Item

Use the total unit monthly cost for one line and any ineligible monthly costs.

If you have any one-time costs such as installation fees, list them in this column.
Note: small installation fees are not the same as special construction fees.

Monthly Cost	
Monthly Recurring Unit Cost	\$1,200.00
Monthly Recurring Unit Ineligible Costs	\$0.00
Monthly Recurring Unit Costs	= \$1,200.00
Monthly Quantity	1
Months of Service	x 12
Total Eligible Recurring Costs	= \$14,400.00

One-Time Cost	
One-time Unit Cost	\$0.00
One-time Ineligible Unit Cost	\$0.00
One-time Eligible Unit Cost	= \$0.00
One-time Quantity	0
Total Eligible One-time Costs	= \$0.00

Summary	
Total Eligible Recurring Costs	\$14,400.00
Total Eligible One-time Costs	+ \$0.00
Pre-Discount Extended Eligible Line Item Cost	= \$14,400.00

System will subtract ineligible from total to determine eligible.

List the # of lines/circuits for this FRN Line Item, not the # of months. This example has 1, 10gb circuit.

System has calculated # of months based on the service start and contract expiration dates listed on a prior screen

Total calculated Annual Pre-Discount Cost

Select the Building Receiving Service

Manage Recipients of Service

Is every entity for this organization receiving service?

All Entities

Search by BEN

Please select the organizations you wish to include as recipients of service for this FRN and click the Add button. You can find all entities in a school district or library system by entering the district or system entity number in the field above.

<input type="checkbox"/>	BEN	BEN Name
<input checked="" type="checkbox"/>	109	Plainfield Elementary School
<input type="checkbox"/>	110	Jacksonville Jr/Sr High School
<input type="checkbox"/>	111	Tech Central/Maintenance NIF
<input type="checkbox"/>	10597	Gallaudet Elementary School

In this example, this circuit is only being delivered to one building, so select "No."

Then select the building receiving the service from the list provided and click "Add".

Confirming Recipients of Service for this Line Item

Recipients of Service for FRN Line Item #	
BEN	Name
109	Plainfield Elementary School

This page just summarizes which building(s) we indicated were the buildings receiving the service for this Line Item.

Adding an Additional FRN Line Item

<input type="checkbox"/>	FRN Line Item Number	Function	Type of Product	Quantity	One-time Quantity	Total Eligible FRN Line Item Cost
<input type="checkbox"/>	2399000048.001	Fiber	Ethernet	1	0	\$14,400.00

[ADD NEW FRN LINE ITEM](#) [REMOVE FRN LINE ITEM](#) [BULK UPLOAD](#)

Notice, the system generated a line item number after the FRN number (.001)

If you have more line items for this FRN, click [here](#) to add an additional FRN Line Item (or click [Continue](#) to return to the Main FRN Page).

In this example, we will next enter an FRN Line Item for the [13](#), 1-GB connections.

Selecting the Purpose

**District WAN
Connections** →

Purpose ⓘ *

Internet access service that includes a connection from any applicant site directly to the Internet Service Provider

Data Connection between two or more sites entirely within the applicant's network

Data connection(s) for an applicant's hub site to an Internet Service Provider or state/regional network where Internet access service is billed separately

Internet access service with no circuit (data circuit to ISP state/regional network is billed separately)

Function ⓘ *

Fiber ▼

Type of Connection *

Ethernet ▼

Select the same Purpose, Function and Type of Connection as the previous FRN Line Item:

Purpose: Data connection b/w 2 or more sites

Function: Fiber

Type of Connection: Ethernet

Bandwidth Speeds

Indicate the bandwidth speeds, and the units used (Mbps or Gbps).

Note: Fiber will have the same download and upload speeds.

Bandwidth Download Speed *	1.000	Burstable Bandwidth? <input type="button" value="YES"/> <input checked="" type="button" value="NO ✓"/>
Bandwidth Download Units *	Gbps	
Bandwidth Upload Speed *	1.000	<i>Answer whether the service includes burstable bandwidth. (Answer "No" if you're unsure).</i>
Please specify the upload speed if it is different than the download speed.		
Bandwidth Upload Units *	Gbps	

For this FRN Line Item, we are applying for 1 GB connections to 13 schools.

Yes/No Connection Questions

Note: These questions are not self-explanatory.
Hint: Answer 2nd Question first (is this for a WAN? Y/N).
If the answer to the 2nd Question is “No,” then the answer to 1st question is “Yes.”
WAN FRNs will usually answer as shown below:

<p>Is this a direct connection to a single school, library or a NIF for Internet access? ? *</p>	<p>Does this include firewall services? *</p>
<p>Note: If the request is for direct connections, you will be required to allocate the total number of lines (monthly quantity) among the recipients listed for this line item.</p>	<p>YES NO ✓</p>
<p>YES NO ✓</p>	<p><i>Answer whether the service includes firewall services. (Answer “No” if you’re unsure).</i></p>
<p>Is this a connection between eligible schools, libraries and NIFs (i.e., a connection that provides a “Wide area network”)? ? *</p>	
<p>YES ✓ NO</p>	

Entering Monthly Costs for this FRN Line Item

Use the total unit monthly cost for one line and any ineligible monthly costs.

If you have any one-time costs such as installation fees, list them in this column.
Note: small installation fees are not the same as special construction fees.

Monthly Cost			One-Time Cost		
Monthly Recurring Unit Cost		\$800.00	One-time Unit Cost		\$0.00
Monthly Recurring Unit Ineligible Costs		\$0.00	One-time Ineligible Unit Cost		\$0.00
Monthly Recurring Unit Costs		= \$800.00	One-time Eligible Unit Cost		= \$0.00
Monthly Quantity		13	One-time Quantity		0
		\$10,400.00	Total Eligible One-time Costs		= \$0.00
Months of Service		x 12	Summary		
Total Eligible Recurring Costs		= \$124,800.00	Total Eligible Recurring Costs		\$124,800.00
			Total Eligible One-time Costs		+ \$0.00
			Pre-Discount Extended Eligible Line Item Cost		= \$124,800.00

System will subtract ineligible from total to determine eligible.

List the # of lines/circuits for this FRN Line Item, not the # of months. This example has 13, 1 GB circuits.

System has calculated # of months based on the service start and contract expiration dates listed on a prior screen

Total calculated Annual Pre-Discount Cost

Select the Buildings Receiving Service

In this example, since these circuits deliver service to some but not all buildings, we select "No."

Manage Recipients of Service

Is every entity for this organization receiving service?


YES NO ✓

All Entities

Search by BEN

Please select the organizations you wish to include as recipients of service for system by entering the district or system entity number in the field above.

Then we select the buildings receiving the service.



<input type="checkbox"/>	BEN	BEN Name
<input type="checkbox"/>	109	Plainfield Elementary School
<input checked="" type="checkbox"/>	110	Jacksonville Jr/Sr High School
<input checked="" type="checkbox"/>	111	Tech Central/Maintenance NIF
<input checked="" type="checkbox"/>	10597	Gallaudet Elementary School
<input checked="" type="checkbox"/>	10598	Boone Middle School
<input checked="" type="checkbox"/>	10599	Franklin High School

Confirming Recipients of Service for this Line Item

Recipients of Service for FRN Line Item #:

BEN	Name
10602	Anderson Elementary School
10606	Blue Ribbon School District Office
10600	Bluford Middle School
10598	Boone Middle School
10603	Buchanan Elementary School
10599	Franklin High School
10597	Gallaudet Elementary School
10601	Guggenheim Elementary School
110	Jacksonville Jr/Sr High School
10604	Ross Elementary School

Adding an Additional FRN Line Item

<input type="checkbox"/>	FRN Line Item Number	Function	Type of Product	Quantity	One-time Quantity	Total Eligible FRN Line Item Cost
<input type="checkbox"/>	2499000048.002	Fiber	Ethernet	13	0	\$124,800.00
<input type="checkbox"/>	2499000048.001	Fiber	Ethernet	1	0	\$14,400.00

Notice, the system generated another line item number after the FRN number (.002)

If you have more line items for this FRN, click [here](#) to add an additional FRN Line Item (or click [Save & Continue](#) to return to the Main FRN Page).

In this example, we will next enter a 3rd FRN Line Item for the [taxes/fees](#) added by the vendor.

Selecting a Purpose and Function

Purpose ? *

Internet access service that includes a connection from any applicant site directly to the Internet Service Provider

→ Data Connection between two or more sites entirely within the applicant's network

Data connection(s) for an applicant's hub site to an Internet Service Provider or state/regional network where Internet access service is billed separately

Internet access service with no circuit (data circuit to ISP state/regional network is billed separately)

Function ? *

Miscellaneous ←

Type of Connection * ←

Taxes and USF Fees

Although this Line Item is for taxes and fees, we still must select the same Purpose as the underlying circuits, but Function and Type of Connection will be different.

Purpose: Data connection between 2 or more sites.

Function: Miscellaneous

Type of Connection: Taxes and USF Fees

Add Total Taxes/Fees Per Month

Use the total monthly cost for the taxes/fees.

Monthly Cost		One-Time Cost	
Monthly Recurring Unit Cost	\$350.00	One-time Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	\$0.00	One-time Ineligible Unit Cost	\$0.00
Monthly Recurring Unit Eligible Costs	= \$350.00	One-time Eligible Unit Cost	= \$0.00
Monthly Quantity	1	One-time Quantity	0
Total Monthly Eligible Recurring Costs	= \$350.00	Total Eligible One-time Costs	= \$0.00
Months of Service	x 12	Summary	
Total Eligible Recurring Costs	= \$4,200.00	Total Eligible Recurring Costs	\$4,200.00
		Total Eligible One-time Costs	+ \$0.00
		Pre-Discout Extended Eligible Line Item Cost	= \$4,200.00

Use the quantity of "1" for taxes/fees.

Select Buildings Receiving the Service

In this example, the taxes/fees are being assessed on all buildings, so we selected "Yes."

Manage Recipients of Service

Is every entity for this organization receiving service?

YES ✓

NO

Reviewing FRN Line Items

Funding Requests

<input type="checkbox"/>	FRN Line Item Number	Function	Type of Product	Quantity	One-time Quantity	Total Eligible FRN Line Item Cost
<input type="checkbox"/>	2499000048.003	Miscellaneous	Taxes and USF Fees	1	0	\$4,200.00
<input type="checkbox"/>	2499000048.002	Fiber	Ethernet	13	0	\$124,800.00
<input type="checkbox"/>	2499000048.001	Fiber	Ethernet	1	0	\$14,400.00

ADD NEW FRN LINE ITEM

REMOVE FRN LINE ITEM

BULK UPLOAD

FCC Form 471 Help

Show Help

BACK

DISCARD FORM

SAVE & SHARE

SAVE & CONTINUE

If you have another Line Item for this FRN, click [here](#). Otherwise, click "Save & Continue" to return to the main FRN page.

Finished Adding FRNs?

Funding Requests

To create or update specific FRN Line Item(s), please click on the FRN number hyperlink.

<input type="checkbox"/>	FRN	Nickname	Number of FRN Line Items	FRN Calculation
<input type="checkbox"/>	2499000048	Lit Fiber WAN - Crown Castle	3	\$129,060.00
<input type="checkbox"/>	2499000047	Internet Access - Zito	1	\$9,180.00
<input type="checkbox"/>	2499000046	Cable Internet Service - Comcast	1	\$1,609.20

[ADD FRN](#)
[EDIT FRN](#)
[REMOVE FRN](#)
[MANAGE FRN LINE ITEMS](#)

FCC Form 471 Help

Show Help

[BACK](#)
[DISCARD FORM](#)

Do NOT click "Save & Share"

[SAVE & SHARE](#)
[REVIEW FCC FORM 471](#)

If you're finished adding FRNs, click "Review FCC Form 471."

Creating the Draft Form PDF

The next steps are for EPC to run a few final validations, and then create a PDF of your draft FCC Form 471. Once this is completed, you can download the PDF and either send for certification or continue to certification. Do you wish to proceed?

Select "Yes" and then "Refresh" in about a minute, the system will show you the link to the Form 471 Draft PDF document. The system also will send a "Task" to your EPC account as well as an e-mail notifying you that the PDF is ready for your review. The Form 471 has not yet been submitted!

FCC Form 471 Draft version of the PDF generation is in progress and it may take a few minutes to complete. Please click 'Refresh' once or twice a minute to check if the PDF generation is complete. If you don't want to wait, click 'Resume Task Later' to close the current screen, and EPC will assign you a task to continue PDF review and certification process.

Where to See the Draft Form PDF Task

To find the PDF of your Draft Form 471, click on "Tasks" or under the "My Tasks" list on your Landing Page.

The screenshot displays the Appian user interface. At the top, a blue navigation bar contains the following menu items: News, Tasks (3), Records, Reports, and Actions. The 'Tasks (3)' item is highlighted with a red box, and a red arrow points down from this box. To the right of the navigation bar is a user profile icon and the 'appian' logo. Below the navigation bar, the main content area is divided into two sections. The left section features the 'Training Universal Service Administrative Co.' logo and the text 'Assigned to Me >' and 'Sent by Me'. The right section contains a search bar with the placeholder text 'Click here to send a task...' and a 'NEWEST' dropdown menu. Below the search bar, a task card is displayed, which is also highlighted with a red box. The task card includes a blue checkmark icon, the text '→ Me', the title 'Review PDF for FCC Form 471 #241000050 Category 1 Form 471 – FY 2024', and the timestamp 'A moment ago' with a star icon.

Reviewing the Draft 471

Please download and carefully review this FCC Form 471 before certifying.

Download Document Link

USAC_FCC_Form_471_APPLICATION_241000050_DRAFT

To review the Draft 471 in PDF format, click on this link.

By checking this box, I certify that the information in the PDF document above is correct.

FCC Form 471 Help

Show Help

EDIT FORM

SEND FOR CERTIFICATION

CONTINUE TO CERTIFICATION

If any revisions are needed on the Draft 471, click on "Edit Form" to be returned into the Form 471.

To continue to the Certification Page and submit the 471, check the box and click "Continue to Certification."

Warning: do not select "send for certification."

Certification Page

Read and check all of the certification boxes on this page.

Applicant Certifications

- I certify that the entities listed in this application are eligible for support because they are schools under the statutory definitions of elementary and secondary schools found in the No Child Left Behind Act of 2001, 20 U.S.C. §§ 7801(18) and (38), that do not operate as for-profit businesses and do not have endowments exceeding \$50 million.
- I certify that the entity I represent or the entities listed on this application have secured access, separately or through this program, to all of the resources, including computers, training, software, internal connections, maintenance, and electrical capacity, necessary to use the services purchased effectively. I recognize that some of the aforementioned resources are not eligible for support. I certify that the entities I represent or the entities listed on this application have secured access to all of the resources to pay the discounted charges for eligible services from funds to which access has been secured in the current funding year. I certify that the Billed Entity will pay the non-discount portion of the cost of the goods and services to the service provider(s).

Certification Page

Total Funding Summary

Below is a summary of the total line item costs on this FCC Form 471:

Summary	
Total funding year pre-discount eligible amount on this FCC Form 471	\$155,888.00
Total funding commitment request amount	\$140,299.20
Total applicant non-discount share of total funding	\$15,588.80
Total budgeted amount allocated to residential rate support	\$860,000.00
Total amount necessary for the applicant to pay the non-discount share of eligible and any ineligible amounts	\$875,588.80
Are you receiving any of the funds directly from a service provider listed on any of the FCC Forms 471 filed by this Billed Entity for this funding year?	No <input type="radio"/> Always select "No." <input type="button" value="v"/>
Has a service provider listed on any of the FCC Forms 471 filed by this Billed Entity for this funding year assisted you in locating funds needed to pay your non-discounted share?	No <input type="radio"/> Always select "No." <input type="button" value="v"/>

Enter the amount you're spending on technology for FY 2024, less any E-rate eligible costs. Don't enter "\$0."



Certification Page

- I acknowledge that FCC rules provide that persons who have been convicted of criminal violations or held civilly liable for certain acts arising from their participation in the schools and libraries support mechanism are subject to suspension and debarment from the program. I will institute reasonable measures to be informed, and will notify USAC should I be informed or become aware that I or any of the entities listed on this application, or any person associated in any way with my entity and/or the entities listed on this application, is convicted of a criminal violation or held civilly liable for acts arising from their participation in the schools and libraries support mechanism.
- I certify that if any of the Funding Requests on this FCC Form 471 are for discounts for products or services that contain both eligible and ineligible components, that I have allocated the eligible and ineligible components as required by the Commission's rules at 47 C.F.R. § 54.504.
- I certify that the non-discount portion of the costs for eligible services will not be paid by the service provider. The pre-discount costs of eligible services featured on this FCC Form 471 are net of any rebates or discounts offered by the service provider. I acknowledge that, for the purpose of this rule, the provision, by the provider of a supported service, of free services or products unrelated to the supported service or product will be considered a rebate of some or all of the cost of the supported services.

FCC Form 471 Help

Show Help

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CERTIFY



Check all boxes and "Certify" to submit the form to USAC.

Confirmation Page

This screen confirms that you successfully filed and certified Form 471.

You have successfully filed FCC Form 471 #241000050 for FY 2024

Certification Date

2/10/2024 10:15 EST

Authorized Person

Name School District 4 User 1

Title Administrator

Employer THE BEST SCHOOL DISTRICT - (PARENT ENTITY)

Address 100 Main Street
Springfield, PA 19064

Phone 555-555-5444

Email school.district4.user1@mailinator.com

[Please click here to access your certified FCC Form 471 PDF](#)

FCC Form 471 Help

[Show Help](#)

CLOSE

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To Print a Final Copy of Your Form 471

Certification Date

2/10/2023 10:15 EST

Authorized Person

Name School District 4 User 1

Title Administrator

Employer THE BEST SCHOOL DISTRICT - (PARENT ENTITY)

Address 100 Main Street
Springfield, PA 19064

Phone 555-555-5444

Email school.district4.user1@mailinator.com

[Please click here to access your certified FCC Form 471 PDF](#)

Option 1:

Click this link, then scroll to the bottom of the next page and click on Original Version to download a final PDF of the submitted document

FCC Form 471 Generated Documents

FCC Form 471 Version	Description
Original Version	This document contains information that was submitted to USAC upon certification of the FCC Form 471.

To Print a Final Copy of Your Form 471

Option 2:

On your EPC Landing Page, scroll to the bottom under FCC Forms.
Select "Form 471" & "2024" to see a list of your FY 2024 certified 471s.
Click on the blue 471 Application Number.
Remember: Your Form 471 will start with "24" for FY 2024.

▼ FCC Forms and Post-Commitment Requests

FCC Forms Status All
 Post-Commitment Requests Incomplete
 Certified
 Committed

Form Type: FCC Form 471 ←

Funding Year: 2024 ←

Application Number	Nickname	Funding Year	Status	Certified Date
#241000050	Category 1 Form 471 FY 2024	2024	Certified	2/10/2024 10:15 EST

Printing a Final Copy of Your Form 471

Review Status Awaiting Initial Review ←

Application Information

Nickname	Category 1 Form 471 - FY 202X	Created Date	1/23/2022 12:14 PM EST
Application Number	221000050	Created By	School District 4 User 1
Funding Year	2022	Certified Date	1/23/2022 1:15 PM EST
Window Status	In-Window	Certified By	School District 4 User 1
Category of Service	Category 1	Last Modified Date	1/23/2022 1:15 PM EST
		Last Modified By	School District 4 User 1

Billed Entity Information

THE BEST SCHOOL DISTRICT - (PARENT ENTITY)
100 Main Street
Apt 2
Springfield, PA 19064
555-555-5555
school.district4.user1@mailinator.com

Billed Entity Number: 108
FCC Registration Number: 0123456789
Applicant Type: School District

Consultant Information

Consulting Firms
The consulting firms associated with your organization are listed below.

Name	Consultant Registration Number	Phone Number
Penguin Consulting	19637	410-902-5800

Contact Information

Name School District 4 User 1 **Phone Number** 555-555-5444
Email school.district4.user1@mailinator.com

Holiday / Summer Contact Information
There is no Holiday / Summer Contact Information for this FCC Form 471.

FCC Form 471 Generated Documents

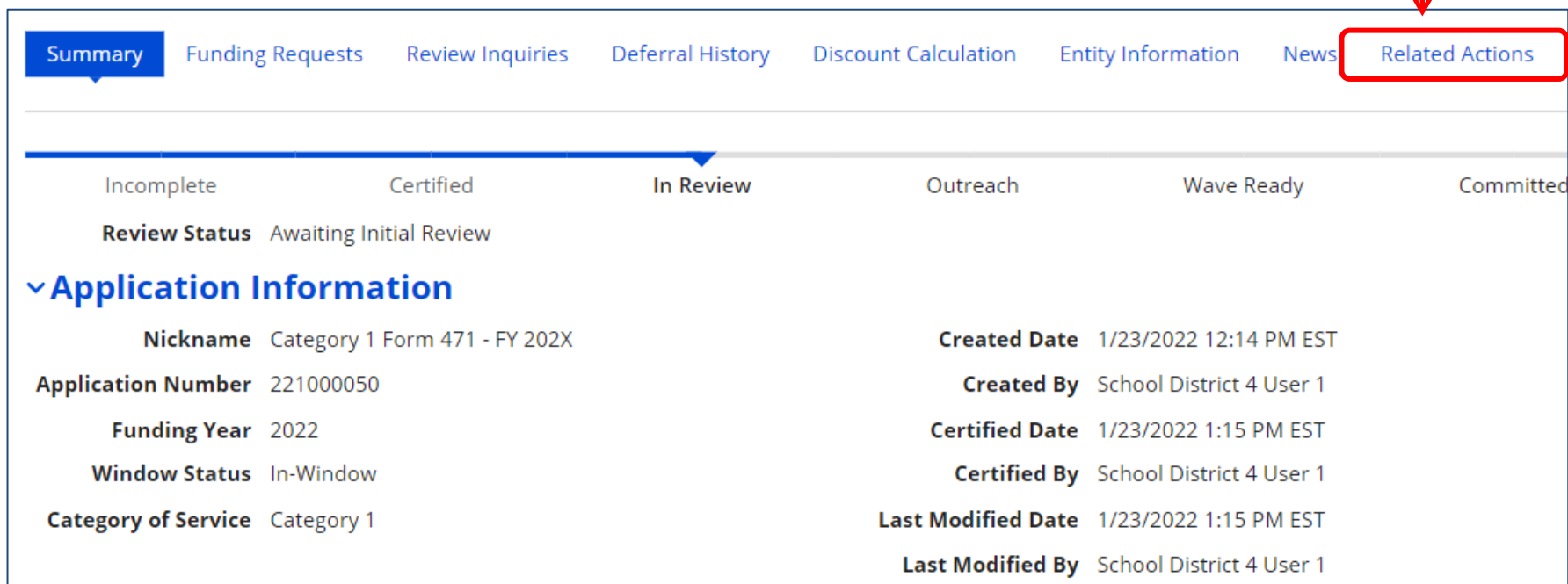
FCC Form 471 Version	Description
Original Version	This document contains information that was submitted to USAC upon certification of the FCC Form 471.

Current Review Status:

Scroll to the bottom of the page and click on "Original Version" to view a final copy of your Certified Form 471.

To Submit a 471 Correction/Change

To make corrections to a submitted 471, click "Related Actions"



Summary Funding Requests Review Inquiries Deferral History Discount Calculation Entity Information News **Related Actions**

Incomplete Certified **In Review** Outreach Wave Ready Committed

Review Status Awaiting Initial Review



Application Information

Nickname	Category 1 Form 471 - FY 202X	Created Date	1/23/2022 12:14 PM EST
Application Number	221000050	Created By	School District 4 User 1
Funding Year	2022	Certified Date	1/23/2022 1:15 PM EST
Window Status	In-Window	Certified By	School District 4 User 1
Category of Service	Category 1	Last Modified Date	1/23/2022 1:15 PM EST
		Last Modified By	School District 4 User 1

To Submit a 471 Correction/Change

Then "Submit Modification Request (RAL)"

Summary Funding Requests Review Inquiries Discount Calculation Entity Information News **Related Actions**

-  **Respond to Inquiries**
Answer Reviewer Questions.
-  **Submit Modification Request (RAL)**
Submit a RAL Modification Request for this Application

“Copy FRN” Feature



What is Copy FRN?

- The “Copy FRN” feature allows you to copy an FRN created on another Form 471 application (FY 2016 – FY 2024)
 - If previous FRN has been approved, the “approved” version will be copied
 - If previous FRN is still pending, the “original” version will be copied
 - Can even copy an FRN from a current year’s Form 471 that hasn’t been submitted yet
- Saves time re-entering the same information
- Can still make changes to *most* of the copied data if services/quantities/prices have changed

When to Use “Copy FRN”

- Most commonly used for Category 1 and Basic Maintenance FRNs
 - Recurring services
- Can use for MTM agreements
 - Must update Form 470 number
- Can be used for Category 2 FRNs
- Cannot use “Copy FRN” if you changed from a Contract to MTM, or MTM to Contract

What Data Must Be Updated When Using “Copy FRN?”

- Service Start Dates, Service End Dates (for MTM services), and Contract Expiration Dates will NOT update
 - You must enter the correct data
- If any schools/buildings have been added or removed from EPC, these updates will not appear in the copied FRN
 - Must click “Manage Recipients,” then deselect “Yes,” , then Select “No” and then re-select “Yes” for the system to update the list of recipients.
- Always go through the entire new FRN, including FRN Line Items, to ensure that the data is accurate
 - Accurate Services and Accurate Answers to yes/no questions
 - Accurate Funding Amounts
 - Accurate Quantity of Lines/Circuits
 - Accurate Recipients of Service

Where to Find Copy FRN Feature

Funding Request Key Information

Please enter a Funding Request Nickname here ⓘ *

Lit Fiber WAN - Crown Castle

Is this Funding Request a continuation of an FRN from a previous funding year?

YES

NO ✓

Copy FRN

If you want to copy an existing Funding Request, select Copy FRN below. Note that if an FCDL has been issued for the FRN, the approved version of the FRN will be copied.

COPY FRN

On the FRN Key Information Page, click "Copy FRN"

Service Type

What is the service type of the product and services that you are requesting?

Data Transmission and/or Internet Access

Copy FRN Feature

Search for FRN

Search by FCC Form 471: #231000050

Search by FRN Number: [Empty]

Select an FRN

* Search by 471 # or FRN #, then click "search"

<input type="checkbox"/>	FCC Form 471	FRN Number	FRN Nickname	Service Type	Service Provider Name
<input type="checkbox"/>	#231000050	#239900050	Cable Internet Services - Comcast	Data Transmission and/or Internet Access	USAC Service Provider Organization 1
<input type="checkbox"/>	#231000050	#239900042	Internet Access - Zito	Data Transmission and/or Internet Access	USAC Service Provider Organization 2
<input checked="" type="checkbox"/>	#231000050	#239900038	Lit Fiber WAN - Crown Castle	Data Transmission and/or Internet Access	USAC Service Provider Organization 3

Then select FRN # you wish to copy

Copy FRN Steps

If you continue, FRN data will copy and may take up to one minute to complete. Do you wish to continue?

NO

YES

Choose "Yes." The system will search for the FRN data. Click "Refresh" in about 10 seconds.

FRN is copying and may take up to one minute to complete. Please hit refresh to check if FRN copy is complete.



REFRESH

FRN has been successfully copied.

Program rules prohibit the funding of duplicate services, which means different funding requests cannot contain services that provide the same functionality to the same population in the same location during the same period of time.

Your FRN has been copied in your current FCC Form 471. As you navigate through the FRN, you must review all of the copied data. Please keep in mind:

- To the extent that the current year form does not have the same fields as the form you are copying, the data will not be copied.
- Copy FRN will not copy Service Start and Service End Dates. When entering these Start and End dates, please ensure that the Recipients of Service and the appropriate cost in the line items are correct if the months of service are different from the original FRN.
- Copy FRN will copy all Recipients of Service. Please make sure that the Recipients of Service associated with each line item are valid for the current Funding Year.

You can now edit the copied FRN.

CONTINUE

Success! Click "Continue" to see the copied data.

Don't Forget...

- Always go through the entire new FRN, including FRN Line Items, to ensure that the data is accurate
 - Accurate Contract Expiration Date
 - Accurate Services
 - Accurate Funding Amounts
 - Accurate Quantity of Lines/Circuits
 - Accurate Recipients of Service: If any schools/buildings have been added or removed from EPC, these updates will not appear in the copied FRN
 - Must click “Manage Recipients,” then deselect “Yes,” , then Select “No” and then re-select “Yes” for the system to update the list of recipients.

Fiber FRNs with Special Costs

- Special Construction Charges
- Maintenance & Operations
- Category 1 Network Equipment



What are Special Fiber Costs?

- The Form 471 asks whether the FRN will be requesting funding for any one of the following:
 - **Special Construction**
 - 1-time, upfront costs associated with building out leased lit fiber, leased dark fiber, or a self-provisioned network, or wireless service
 - **Maintenance & Operations**
 - Costs associated with the maintenance and operations for either a leased dark fiber or self provisioned network
 - **Category 1 Network Equipment**
 - Costs associated with the purchase of C1 network equipment needed to make leased dark fiber or a self-provisioned network functional (e.g., modulating electronics and other equipment)
- If the applicant answers ‘yes’, the Form 471 then asks for the underlying broadband service (shown below), and based on that selection, the form guides the applicant through a series of progressive questions

LIT FIBER

DARK FIBER

SELF-PROVISIONED

WIRELESS

Special Fiber Costs Intro Page

Fiber Request Key Information

Does this FRN include a request for any of the following eligible broadband options?

- **Special construction.** One-time, upfront costs associated with building out leased lit fiber, leased dark fiber, or a self-provisioned network (i.e. special construction charges), or wireless service; and/or
- **Maintenance and operations.** Costs associated with the maintenance and operations for either a leased dark fiber or self-provisioned network; and/or
- **Network equipment.** Costs associated with the purchase of Network Equipment needed to make leased dark fiber or a self-provisioned network functional (e.g., modulating electronics and other equipment).

If any of the above apply, select "Yes" below.

Select "No" if you are only seeking support for the monthly recurring costs for either a leased lit fiber service or a leased dark fiber service (i.e., recurring payments on a dark fiber lease or IRU), or a wireless service.

Notes:

- If you are seeking support for both the Special Construction, Maintenance and Operation, and/or Network Equipment as well as support for recurring costs associated with leased lit fiber, a dark fiber lease/IRU, or a wireless service then you create multiple FRNs. In each case, you will select a different answer to the Yes/No question based the specific services that are included in that FRN.
- If you select "Yes" below, you should create separate FRNs for special construction charges, maintenance and operations (M&O) charges, and Network Equipment charges. If charges for M&O and Network Equipment are bundled pursuant to a single contract for those products/services, you may use the Network Equipment/M&O FRN option.

 YES ✓ NO

Reminder...

- If the applicant selects **Lit Fiber** or **Wireless** as the related broadband service, the system will issue a reminder for the applicant to create a *separate* FRN for the underlying recurring charges and only include 1-time costs in this FRN

LIT FIBER ✓

DARK FIBER

SELF-PROVISIONED

WIRELESS

Please remember to create a new FRN for the lit fiber service recurring charges. To access the FRN Line Item screen for lit fiber service recurring charges, select "No" when you receive the question, "Does this FRN include a request for dark fiber, a self-provisioned network, special construction costs to deploy new broadband networks, Network Equipment such as modulating electronics and other equipment necessary to make a broadband service functional, or maintenance and operation costs?"

Questions for Special Construction...

- If the applicant selects **Lit Fiber**, or special construction of **Dark Fiber** or **Self-Provisioned Fiber**, the system will ask for:
 - Total Project Plant Route Feet
 - Average Cost per Foot of Outside Plant
 - Total Strands
 - Number of E-rate eligible Strands
- Applicants should obtain this information from their service provider

Special Construction Key Information

Total Project Plant Route Feet *

67580

Total Strands *

12

Average Cost Per Foot of Outside Plant *

\$15.45

Number of E-rate Eligible Strands *

2

Questions for Dark Fiber

- If the applicant selects **Dark Fiber**, the system will ask if the FRN is for **Leased Dark Fiber** or an **IRU** (Indefeasible Right of Use)

Is this FRN supporting new or existing fiber for leased lit fiber, dark fiber, self-provisioned, or new or existing infrastructure for wireless service?

LIT FIBER

DARK FIBER ✓

SELF-PROVISIONED

WIRELESS

Is this Leased Dark Fiber or IRU? *

Indefeasible right of use (IRU) is a contractual agreement between a service provider and an applicant for a fiber optic network which gives you ownership and unrestricted use of that fiber.

LEASED DARK FIBER

IRU

- All of the remaining questions will be the same

Questions for Self Provisioned Fiber

- If the applicant selects **Self Provisioned Fiber**, the system will ask if the FRN is for **Special Construction**, **C1 Network Equipment** or **Maintenance/Operation**

Is this FRN supporting new or existing fiber for leased lit fiber, dark fiber, self-provisioned, or new or existing infrastructure for wireless service?

LIT FIBER

DARK FIBER

SELF-PROVISIONED ✓

WIRELESS

Is this FRN for Special Construction, Network Equipment, Maintenance & Operation or both Network Equipment and Maintenance & Operation? ? *

SPECIAL CONSTRUCTION

NETWORK EQUIPMENT

MAINTENANCE AND OPERATION

- All of the remaining questions will be the same if the applicant selects Special Construction
- If the applicant selects **Network Equipment** or **Maintenance/Operation**, the system will skip to the Narrative Box and the applicant will then create the FRN Line Items

State Match Available?

- For special construction FRNs, the system will then ask if there is a state match available for your E-rate Special Construction funding request
- There is no such PA match available, so applicants should answer No

Special Construction Key Information

Is there a state or tribal match available for your E-rate special construction funding request?

 YES NO ✓

Vendor Payment Plan?

- The system then asks if the applicant has established an installment payment plan for the non-discounted portion of the Special Construction costs
 - For example, if the SC charges are \$500,000, and the applicant has a 60% E-rate discount, E-rate rules permit the applicant's share (\$200,000 in this example) to be paid to the vendor over four years
 - If the answer is Yes, the system asks the following questions:

Does the FRN include an installment payment agreement for special construction charges? [?](#)

YES ✓ NO

Total Amount Financed *

Annual Interest Rate, if applicable

Total Terms (in Months) *

Does this installment agreement include a balloon payment?

YES NO ✓

Questions for Wireless or Satellite

- If the applicant selects **Wireless**, the system will ask if the FRN is for **Microwave** or **Satellite** wireless service

Fiber Request Key Information

Is this Microwave or Satellite wireless service? *

- All of the remaining questions will be the same

FRN Narrative Box

Narrative

Provide a brief explanation of the products and services that you are requesting, or provide any other relevant information regarding this Funding Request. You should also use this field to describe any updates to your entity data, such as revised student counts, entity relationships, etc, that you were unable to make after the close of the Administrative filing window for profile updates. These changes will be addressed during the application review process. *

This FRN is for the one-time, special construction charges associated with the installation of our new leased lit fiber WAN.

Provide a brief narrative explanation of the FRN to enable your PIA reviewer to understand the costs associated with this request.

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BACK

CANCEL

SAVE & VIEW FRN(S)

SAVE & ADD/MANAGE FRN LINE ITEMS

Adding FRN Line Item

- Creating an FRN Line Item for a Special Fiber Cost FRN is the same as with other FRNs.
- Be certain to list the full cost of the service or equipment, not the non-discounted share

<input type="checkbox"/>	FRN Line Item Number	↓	Function	Type of Product	Quantity	One-time Quantity	Total Eligible FRN Line Item Cost
You haven't created any FRN Line Items yet. Click the 'Add New FRN Line Item' button to start creating your first FRN Line Item.							
				ADD NEW FRN LINE ITEM	REMOVE FRN LINE ITEM	BULK UPLOAD	



Select "Add New FRN Line Item."

Main FRN Page

Notice there is now a separate FRN for the Special Fiber Cost. This may be a stand alone charge if only special construction or equipment is being requested. Or it may be a separate FRN if there are also recurring charges

Funding Requests

<input type="checkbox"/>	FRN ↓	Nickname	Number of FRN Line Items	FRN Calculation
<input type="checkbox"/>	2499000049	Special Fiber Cost FRN Example ←	1	\$450,000.00
<input type="checkbox"/>	2499000048	Lit Fiber WAN - Crown Castle ←	3	\$129,060.00
<input type="checkbox"/>	2499000047	Internet Access - Zito	1	\$9,180.00
<input type="checkbox"/>	2499000046	Cable Internet Service - Comcast	1	\$1,609.20

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School Bus Wi-Fi FRNs



Important Filing Requirements

- All School-Bus Wi-Fi funding requests are considered Category 1 and must:
 - Be Filed on a separate Form 471 than other Category 1 funding requests
 - Use “School Bus Wi-Fi” as the Form 471 Nickname
 - Have a separate FRN for each contract or vendor
 - Have a separate FRN Line Item for each different type of service
 - For example, data service, equipment, and installation would have 3 different FRN Line Items
 - Select “No” to indicate that the FRN does not include a Special Fiber request
 - Select ‘all schools’ as recipients of service that will be served by the buses
- Changes to the Form 471 for School Bus Wi-Fi:
 - The Form 471 now has a new “Function” option for FRN line items called “Wireless School Bus Service”
 - Once chosen, a “Type of Connection” value must be chosen, such as “Wireless data service,” “Equipment,” or “Installation.”

Which Options to Select...

Please enter a Funding Request Nickname here ?*

School Bus Wi-Fi Equipment and Installation ← Enter a nickname for this FRN

Select first option (*always*) →

Purpose ?*

- Internet access service that includes a connection from any applicant site directly to the Internet Service Provider
- ~~Data~~ Connection between two or more sites entirely within the applicant's network
- ~~Data~~ connection(s) for an applicant's hub site to an Internet Service Provider or state/regional network where Inter
- ~~Internet~~ access service with no circuit (data circuit to ISP state/regional network is billed separately)

Select Wireless School Bus Service (*always*) →

Function ?*

- Please select a value
- Please select a value
- Fiber
- Copper
- Wireless
- Wireless School Bus Service
- Other
- Miscellaneous

Select which one of these 3 options describes this FRN

Type of Connection *

- Please select a value
- Please select a value
- Wireless data service
- ~~Satellite~~
- ~~Microwave~~
- ~~Other~~
- Equipment
- Installation

Top C1 Form 471 Filing Tips!

1. For Category 1 FRNs, Answer the Yes/No Questions This Way:

- Internet Line Item = No/Yes
- WAN Line Item = Yes/No

2. Creating FRN Line Items – Breaking Out Circuit Costs

After you've created your FRN's Key Information, don't forget that you then must create the FRN Line Item(s) to actually describe the services/equipment and specify the amount of funding requested by circuit or component. Simply click on "Manage FRN Line Items" from the main FRN page or at the end of the FRN creation section. You can also click on the blue FRN number and that will take you to the FRN Line Items Page. Continue adding Line Items for that FRN until you've built your FRN. For example, if you're requesting funding a Lit Fiber WAN, if you have 1 - 10 GB connection, 6 – 1 GB connections, and taxes, you will have 1 FRN with 3 FRN Line Items, identifying the unique speed, costs and recipients of each Line Item; and the total taxes for the entire service.

3. Handling Contract Amendments in EPC

Unfortunately, there's no way to modify or add additional documents to your existing Contract Record in EPC. If you amended your contract (perhaps to upgrade bandwidth), PIA may reach out to you to ask why the requested services/amounts are different than what are contained in your original contract in which case you'll simply send them the contract amendment. Do not create a new contract record simply because a contract was amended. However, if you made a mistake on your Contract Record, simply create a new Contract Record and then link to that (corrected) one when you create your FRN.

Top C1 Form 471 Filing Tips!

4. Have Written Documentation if Extending a Contract

If you have a contract that includes voluntary extensions, and you are exercising one of those extensions for FY 2022, be sure to have something in writing to or with the service provider. This can be as simple as an e-mail to the service provider indicating that you intend to exercise one of the extensions in your contract, pursuant to the terms of the original contract. PIA will see that your Contract Expiration Date is a year later than last year and will require you to submit proof that you extended the contract. Such documentation to or with the service provider must be dated on or before the date you submitted your Form 471. It's also a good idea to mention in the FRN Narrative box that you are extending the contract. There is no way to upload this with your original Contract Record and you should not create a new Contract Record.

5. Have Documentation of Taxes/Surcharges

If your invoices include vendor taxes/surcharges, be sure to include those amounts on a separate FRN Line Item. PIA is asking for proof of those amounts again this year, so be prepared to provide a copy of a vendor invoice or contract that shows these amounts. If you have signed a new contract with a vendor and don't yet know the taxes/fees, REQUIRE YOUR SERVICE PROVIDER TO PROVIDE YOU WITH THIS INFORMATION. For most transport services, vendors charge the 5.25% PA Gross Receipts Tax (at a minimum), and many also charge the Universal Service Fee (currently 32.6%). Most Internet invoices do not include taxes/surcharges.

6. Don't Select Month-to-Month if You Have a Contract

When creating a FRN, the form asks if you're purchasing from a contract, month-to-month (MTM) or tariff. In this case, MTM doesn't mean that you're paying vendors on a monthly basis. It means that you don't have a contract with a vendor. All Category 2 FRNs must have contracts, and most Category 1 FRNs now have contracts (many cable Internet or DSL services are MTM services with no contracts). Be sure to create your Contract Record in EPC prior to starting the 471, then select Contract when you get to this question on the FRN. The system will then ask you to link to the appropriate Contract Record for the services or equipment in that FRN.