E-rate Form 471 Category 2 Filing Guide FY 2018



Julie Tritt Schell PA E-rate Coordinator February 2018

FY 2018 Form 471 Timeline

Form 471 Deadline = March 22, 2018

Form 470 Deadline?

- <u>If no board approval needed</u>, last possible date to submit Form 470 = February 22, 2018
 - Give yourself at least a week to file the 471, making your Form 470 deadline February 15
- <u>If board IS approval needed</u>, count back 35-40 days from board meeting date, and this is your last date to file 470
 - 35 days instead of 29 days because boards' require documents ahead of meeting
- Do **<u>NOT</u>** wait until these dates to file your 470!
 - Need time to conduct bid evaluations, negotiate contracts, and file the Form 471
 - Always best to avoid filing 471s the last few days of the window due to system glitches
- USAC has promised to review applications in the order they were submitted
 - Have not promised to "fund" applications in this order, however

What's New for FY 2018?

• Service Start Date – Always list 7/1/2018

- Even if you will be purchasing equipment on or after 4/1/2018
 - Vendor invoices can be dated on or after 4/1/2018
 - BEARs/SPIs cannot be submitted to USAC until 7/1/2018
- EPC system no longer allows dates prior to 7/1 to be listed
- Service Start Date is NOT the same as the Contract Award Date
 - Contract Award Date should either be the date the contract was signed (preferred) or the date the vendor was awarded the contract (allowed, but more difficult to prove)

• Form 470 Error Checking

- System will check to see if the cited Form 470 contains the category of service requested on the 471
 - For example, if you are requesting Basic Maintenance funding, but did not select this category on the 470, system will not allow you to proceed
- System will check to see if the cited Form 470 in the Contract Record was been posted for at least 28 days
 - For example, if you are creating your Contract Record on February 15, but the Form 470 # that you cite was just posted on February 1, the system will not allow you to proceed

New Category 2 Bulk Upload Template

- Template is identical to last year except they added several vendors to the drop down choices
- Must use new template on FY 2018 Form 471

Reminders - FY 2018

• Separate Admin Window

- Needed so libraries and consortia didn't have to have separate filing window
 - Their discount data is fully dependent on schools' discount data
- Admin Window over can no longer update buildings/enrollment/NSLP data
- Make changes using the FRN narrative boxes, or via the RAL correction process
 - RAL corrections can be submitted as soon as 471 is submitted
- Consortia members can be <u>added</u> by contacting CSB
 - CSB will not REMOVE consortia members simply don't add them to your 471
- 'Copy FRN' Feature
 - Allows you to copy another FRN and make changes
 - I do NOT recommend that you use this feature as some system errors have been reported by those who have used it for FY 2018
- Internal Connections Bulk Upload Template
 - Most useful for C2 Internal Connections FRNs with multiple line items
 - Bulk Upload Guide available at <u>www.e-ratepa.org</u>
 - Template available at: <u>https://www.usac.org/ res/documents/sl/xls/window-hq/Category-Two-Internal-Connections-v18.0.xlsm</u>

Helpful Hints for FY 2018

- 1. Don't forget all C2 requests must have a signed contract (no MTM)
- 2. I recommend filing a 471 for EACH separate FRN
 - Doesn't take that much extra time
 - PIA seemed to have an easier time reviewing smaller applications in FY 2017
 - If there's a system glitch with one application, it won't hold up the others
 - Not a USAC requirement
 - Form just requires separate 471s for C1 and C2
- 3. Be sure to list all unit costs separately
 - Don't just list a single price and quantity of 1 (except for structured cabling)
 - Create an FRN Line Item for each unique SKU, # of units and cost of each unit

Before Filing the Form 471

- Add New Contracts in EPC

 Landing Page > Billed Entity Name > Contracts >
 Manage Contracts > Add New Contract
 - There is no way to edit or delete an existing CR after it's been submitted
 - Not required to upload contracts, but I recommend you do so for C2 contracts
 - Give your contract a really descriptive nickname!
 - Creating Contract Records Guide =

http://e-ratepa.org/?p=24081

Creating PEPPM-Related Contract Records Guide = http://e-ratepa.org/?p=24161

Before Filing the Form 471

- Update Connectivity Module in EPC

 Landing Page > Billed Entity Name > Related Actions > Manage Connectivity Questions
 - If data hasn't changed from last year, skip this step
 - If you added new schools or libraries in EPC since last year, you must answer their connectivity questions in EPC or the 471 won't allow you to submit
 - Connectivity Module Guide = <u>http://e-ratepa.org/?p=24001</u>

LET'S COMPLETE A FORM 471!

From Your EPC Landing Page

1

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

News	Tasks (1)	Records	Reports	Actions	Appian			
My	Landin	g Page	•		¥			
Training Universal Service Administrative Co.					Funding Request Report FCC Form 470 FCC Form 471 FCC Form 486 Appeal FCC Form 500 SPIN Change Service Sub Stitution Hurricane Impact Designation Manage Users Manage Organizations USAC Website Contact Us Help			
Welcor	ne, PAS BEST SC	HOOL DISTRIC	T - (PARENT EN	ITITY)!				

Application Nickname

Connectivity Information

PAS BEST SCHOOL DISTRICT - (PARENT ENTITY) (BEN: 108) - FY 2018 - Category 2 - Form 471

Last Saved:

Basic Information

Entity Information

Funding Requests

Certify

Where applicable, we've completed this section of the form based on information from your applicant entity's profile. If any of the noneditable information is incorrect, or you wish to change the information, please update your profile first by going to your entity record, and clicking Manage Organization from the Related Actions menu. If you do not have access to Manage Organization, please contact your applicant entity's account administrator or create a customer service case to request updates to your applicant entity's profile.

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

Billed Entity Information

PAS BEST SCHOOL DISTRICT - (PARENT ENTITY)	Billed Entity Number: 108
100 Main Street	FCC Registration Number: 0123456789
Springfield, PA 19064	Applicant Type: School District
555-555-5555	

school.district4.user1@mailinator.com

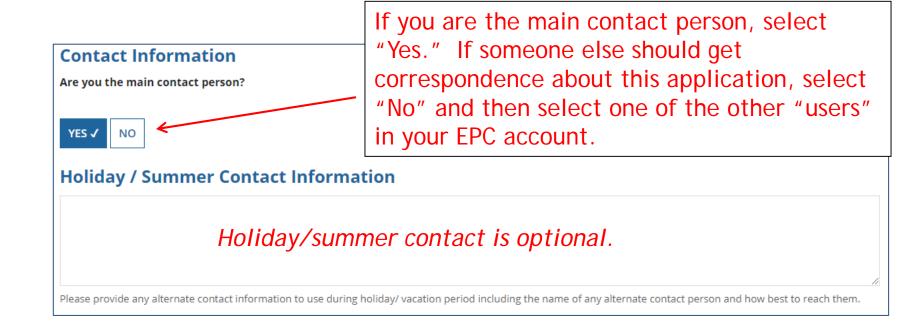
Application Nickname

Please enter an application nickname here. 😧 *

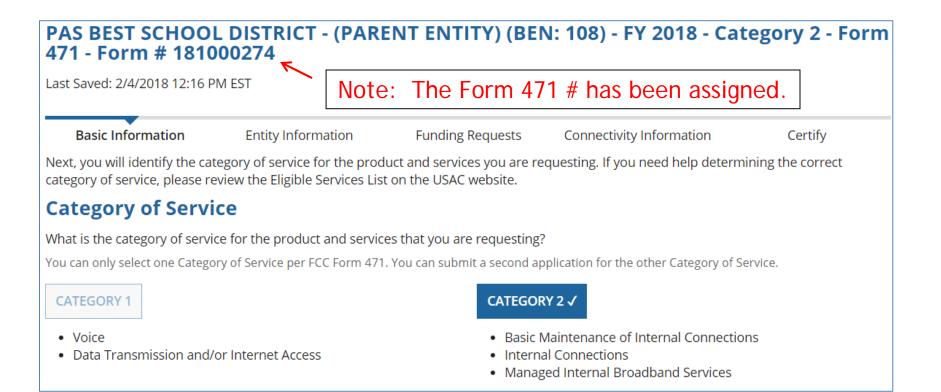
FY 2018 - Category 2 - Form 471

Enter a really descriptive nickname so you can easily find the form in your Task Bar later, such as "FY 2018 Category 2 Form 471."

Identifying Correct Contact Person



Selecting Category 1 or Category 2





District Entity Information

PAS BEST SCHOOL DISTRICT - (PARENT ENTITY) (BEN: 108) - FY 2018 Category 1 Form 471 - Form # 181000164

Last Saved: 1/25/2018 1:52 PM EST

Entity Information Basic Information Funding Requests Connectivity Information Certify We've completed this section of the form based on information from your applicant entity's profile. If any of the non-editable information is incorrect, or you wish to change the information, please update your profile first by going to your entity record, and clicking Manage Organization from the Related Actions menu. If you do not have access to Manage Organization, please contact your applicant entity's account administrator or create a customer service case to request updates to your applicant entity's profile. School District Urban or State LEA State School NCES Endowment **BEN Name** BEN Rural Code Attributes Amount PAS BEST SCHOOL DISTRICT -108 Urban N/A N/A Public School District None (PARENT ENTITY) This page 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 471 name to re-enter the application.

School Entity Information

Entity Details													
Entity Name	Entity Numbe r	Urban or Rural	NI F	State LEA ID	State School ID	NCE S Code	# of students that attend this school full time or part time	Student Count Based on Estimate	Alternative Discount	CEP Percentag e	School Attribute s	Endowment Amount	Annexe s
Anderson Elementary School	10602	Urban	No				1234	N/A	None	N/A	Public School, Pre-K	None	View Annexes
Blue Ribbon School District Office	10606	Rural	Yes	N/A	N/A		N/A	N/A	N/A	N/A		None	View Annexe
Bluford Middle School	10600	Urban	No				1234	N/A	None	N/A	Public School	None	View Annexe
Boone Middle School	10598	Urban	No				344	N/A	None	N/A	Public School	None	View Annexe
Buchanan Elementary School	10603	Urban	No				222	N/A	None	N/A	Public School	None	View Annexe

This page shows discount-related data that was entered into each school's EPC profile.

Again, <u>be careful not to click on the school's name in blue</u> 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.

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	Voice Discount Rate
5844	5107	87%	Urban	90%	85%	10%
SHOW ENTITIES					1	

This page shows your discount for each category of service.

Notice, the maximum C2 discount rate is 85%, even though the C1 discount is 90%. In all other cases, C1 and C2 will be identical (except voice, of course).

Discount Calculation Errors...

Although this shouldn't happen for FY 2018, 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. Also, please let me know if you receive this message.

Discount Calculation Errors...

Although this shouldn't happen for FY 2018, 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. Also, please let me know if you receive this message.

Creating Your Funding Requests

- There are two required elements to <u>each</u> funding request:
 - 1. FRN Key Information
 - Indicates if it's for internal connections, MIBS, or maintenance
 - Links to the relevant contract (or indicates it's MTM service)
 - Describe FRN in narrative box
 - 2. FRN Line Item(s)
 - Must have separate line items for each new component
 - Gives details about the component/service
 - Identifies which schools are receiving equipment
 - Provides cost data for each line item

Creating Funding Requests (FRNs)

Get there quickly...

- Wireless equipment example slide 19
 - Wireless access points (site specific equipment)
 - Controller (shared equipment used by multiple schools)
- Switches example— slide 52 (site specific equipment)
- Structured cabling example slide 75
 - Internal wiring/installation (site specific equipment)



Example 1: Wireless Equipment Wireless Access Points (site specific) Wireless Controller (shared)



FRN Example 1: Wireless Equipment

• Assumptions:

- Contracted service (all C2 must be contracted)
- 2 FRN line items: WAPs and Wireless Controller
- WAPs:
 - 60 WAPs at \$565.00 each
 - Jacksonville School 10 @ \$565 = \$5650
 - Plainfield School 20 @ \$565 = \$11,300
 - Franklin School 30 @ \$565 = \$16,950
- Wireless Controller:
 - \$30,000
 - Shared by 3 schools
 - Weighted cost allocated by % student enrollment (not by # of schools such as 1/3, 1/3, 1/3)

Adding a Funding Request

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

Fun	ding I	Requ	uests					
To cre	ate or upd	late spe	cific FRN Line Item(s)), please click on the FRN number hyperlink.				
FRN J 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							
					A	DD FRN EDIT FRN	REMOVE FRN	

Funding Request Key Information

Funding Request Key Information	I				
Please enter a Funding Request Nickname here @*		 Provide a descriptive nickname for each funding request. 			
Wireless Equipment - Ruckus - Vendor AAA	i				
Is this Funding Request a continuation of an FRN fr	-				
Yes No. Continuing		uested this service last year and the contract is g for FY 2018, you may select "Yes" and supply rom last year. If not, select "No." Likely "No"			
Copy FRN	for C2 requ	quests unless it's for maintenance.			
If you want to copy a Funding Request from the current	Funding Year, sele	ect Copy FRN below			
Copy FRN		– Optional: Use this option to retrieve previously filed FRN in EPC - likely useful			
Service Type		only for multi-year maintenance contract.			
What is the service type of the product and services that you are requesting?					
Internal Connections		Select either "Basic Maintenance" or "Internal Connections" or "MIBS." Most C2 will be for Internal Connections.			

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.



Linking to a Contract

Click "Search" to see all your contracts listed.

Next, you will associate a contract to your FRN. Please search for a con	ntract below and select one to associate it to the FRN.
Associate a Contract	
Search by Creating Organization BEN	Search by Nickname (All or Partial)
108	
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 all of the contracts you have entered in the EPC Contract Module.

You <u>must</u> 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

×As	ssociate a	Contract						
Searc	Search by Creating Organization BEN			Search by Nickname (All or Partial)				
108								
Searc	Search by Contract ID			Search by Contract No.				
					CLEAR FILTERS SEARCH			
	Contract ID	Contract Number	Nickname	Award Date	Creating Organization BEN			
	4386		2017 - Voice - Frontier	2/1/2017	108			
	4387		2017 - Structured Cabling - Gator Networking	3/1/2017	108			
	4858		2017 - Internet - Zito	2/1/2017	108			
	4934		2018 - Ruckus Wireless - Vendor AAA Contract	1/3/2018	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.

Linking to a Contract

Contract Summary - 2018 - Ruckus Wireless - Vendor AAA Contract

Contract Number		Account Number	
Establishing FCC Form 470	#180000205	Service Provider	FCC Service Provider Organization 1 (SPIN: 14020001)
Award Date	1/3/2018	Includes Voluntary	No
Expiration Date (All		Extensions?	
Extensions		Remaining Voluntary	
		Extensions	
		Total Remaining	
		Contract Length	

Pricing Confidentiality

There is no rule, statue, or other restriction which prohibits publication of the specific pricing information for this contract.

After selecting the correct contract, you will see a summary of the contract information from EPC.

Entering Service Start and Contract Expiration Dates

Contract Information (Additional)			
What is the service start date? 🕢 *	What is the date your contract expires for the current term of		
07/01/2018	the contract? ② *		
Enter the date when services will start for this Funding Year	09/30/2019		
Service Start Date: The system will automatically enter 7/1/2018 as SSD.	<u>Contract Expiration Date:</u> You will need enter the CED for this contract, which is likely		
Note: In previous years, you listed this as 4/1/20xx - these should always be listed now as 7/1/20xx.	9/30/2019 for Category 2 equipment contracts.		

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. *

60 Wireless Access Points and 1 Wireless Controller. The controller will be located in the network operations center, but will provide service to 3 schools.

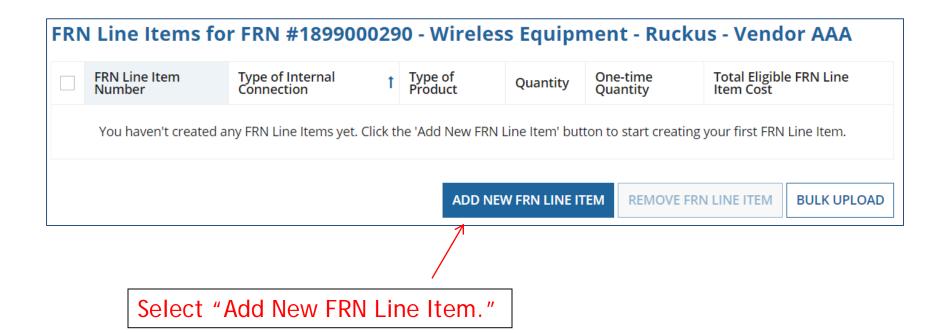
Provide a brief narrative that will give enough details so your PIA reviewer understands the services you are requesting. Something like, "60 Wireless Access Points and 1 Wireless Controller. The controller will be located in the network operations center, but will provide service to 3 schools."

Adding FRN Line Items

Funding Requests To create or update specific FRN Line Item(s), please click on the FRN number hyperlink. The 471 can't be submitted if this is ever showing '0' Image: FRN image: FRN

This is the <u>Main FRN Page</u>. The next step is to add an FRN Line Item(s). Click the blue FRN number to add an FRN Line Item which will provide additional details and costs for this funding request.

Adding a FRN Line Item - WAPs



Adding a Line Item – Type of IC

ype of Internal Connection 😮 *	
Please select a value	
Please select a value	
Cabling/Connectors	
Caching	Select the equipment type that matches your
Data Distribution	Select the equipment type that matches your
Data Protection	funding request from the drop down choices.
Racks	
Software	<i>Note: Miscellaneous = installation/taxes/fees.</i>
Wireless Data Distribution	
Miscellaneous	

Adding a Line Item – Type of Product

Firewall, UPS

Racks/Cabinets

Operating System Software

WAPS, Antenna, Controllers

Installation, Training and Taxes

		Type of Internal Connection 🕜 *				
		Wireless Data Distribution Type of Product * Access Point				
The "Type of Product" choices						
change depending on the						
Type of IC was selected.		If This Type of Internal Connection	Then These Are the Options fo Type of Product			
		Cabling/Connectors	Cabling/Connectors			
		Caching	Caching Service, Equipment			
Conorally hara		Data Distribution	Routers, Switches			

Data Protection

Miscellaneous

Wireless Data Distribution

Racks

Software

Generally, here are the options:

Listing Make/Model Number

Make *					
Ruckus			•		
Model *					
901-700-US4200					

The "Make" is the manufacturer's name and there is a long list to choose from. Use "Other" if your manufacturer isn't listed, and then type-in the name.

The "Model" should be the manufacturer's SKU or Model Number - not a description.

Installation/Leasing Questions



Select "No" if installation is <u>not</u> bundled with this FRN line item, or if installation is listed on a separate FRN Line Item, or if installation is not included on your contract.

Select "Yes" if this is an FRN line item just for installation, or if installation is BUNDLED in with the price for this FRN line item.



If you are leasing the equipment (as opposed to purchasing it), select "Yes." The most common answer will be "No."

Entering Unit Costs/Quantity

If this line item is for equipment <u>purchases</u>, enter \$0's in the monthly recurring cost column.

Т

1

Monthly Cost	$\downarrow \downarrow$
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	\$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	0
Units	Each 🝷
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

For equipment purchases/installation, list the cost/unit for this FRN Line Item. List the # of units. **One-Time Cost** One-time Unit Cost \$565.00 One-time Ineligible Unit Cost \$0.00 = \$565.00 One-time Eligible Unit Cost **One-time Quantity** 60 Total Eligible One-time Costs = \$33,900.00 Summary Total Eligible Recurring Costs \$0.00 Total Eligible One-time Costs + \$33,900.00 Pre-Discount Extended Eligible = \$33,900.00 Line Item Cost 35

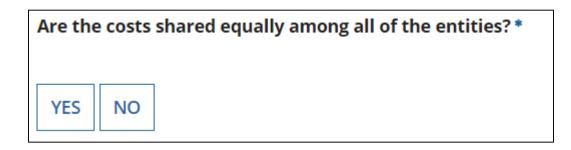
Identifying Recipients of Equipment for this Line Item

Is every entity for this organization receiving service?



Select "Yes" if all buildings are receiving equipment or sharing equipment. Select "No" if only one or some buildings are receiving/using the equipment.

	BEN	BEN Name		
~	109	Plainfield Elementary School		
~	110	Jacksonville Jr/Sr High School		
	10597	Gallaudet Elementary School		
~	10598	Boone Middle School	If you selected "No," you are then	
	10599	Franklin High School	prompted to select/check the buildings receiving the equipment/service. Then click "Add."	
	10600	Bluford Middle School		
	10601	Guggenheim Elementary School		
	10602	Anderson Elementary School		
	10603	Buchanan Elementary School		
	10604	Ross Elementary School		
			< 1 – 10 of 11	
			ADD	



If you answer "Yes" the system will split the costs of this line item equally among the schools you selected from the previous list.

Unless the quantities are identical per school, do <u>not</u> want to choose this option. Instead, select "No" and the system will allow you to enter the appropriate costs per school.

Assigning Eligible Costs/Building

Recipients of Service for FRN Line Item #1899000290.001

Please allocate the remaining Total Eligible Line Item Cost of **\$33,900.00** to the entity(ies) below.

Select the entity(ies) in the grid below and then click the Edit Eligible Cost button to edit the eligible cost allocated to each BEN. Please note, you can also select the checkbox in the upper lefthand corner of the grid to select all entities on the current page of the grid.

	BEN	Name 1	Eligible Cost per BEI	N
	10598	Boone Middle School		
~	110	Jacksonville Jr/Sr High School		
	109	Plainfield Elementary School		
				EDIT ELIGIBLE COST
		Check each school, then "Edit E Cost" to assign the pre-discount each school.		7

Allocating Costs/School

You can now allocate the costs for each school that was selected as a recipient of the equipment. The amounts allocated to the schools must add up to the total amount of the line item.

Edit Eligible Cost Alloca	ted to the Recip	pient	(s)				
Please allocate the remaining Total Elig		,900.00	#	te: The system of units for	r each	school. It	asks
\$5,650.00				or the total school. You offline to ca	u must	do the ma	ath
2. Jacksonville Jr/Sr High School (BEN	l: 110)				schoo		per
\$11,300.00							
3. Boone Middle School (BEN: 10598)	OFFLINE MATH:	# WA	Ps	Cost/WAP	Со	st/School	
\$16,950.00	Plainfield Elem	10		\$565	\$	5,650.00	
\$10,950.00	Jacksonville Jr Hs	15		\$565	\$1	L1,300.00	
	Franklin HS	30		\$565	\$:	16,950.00	
	TOTAL	60			\$3	33,900.00	
	total here should equiscount amount for t					39	

Balancing to \$0.00

After you have entered the amounts/building, the "amount remaining" should balance out to \$0.00.

- If the remaining cost is just a few cents, it's likely due to a rounding issue, and you should return to the previous screen and add or subtract a few pennies from one of the allocations.
- If the remaining cost is more than a few cents, it's because there is an error in your offline math and you should double-check your figures and click on "Edit Eligible Cost" to make corrections.

Recipients of Service for FRN Line Item #1899000290.001

Please allocate the remaining Total Eligible Line Item Cost of **\$0.00** to the entity(ies) below.

Select the entity(ies) in the grid below and then click the Edit Eligible Cost button to edit the eligible cost allocated to each BEN. Please note, you can also select the checkbox in the upper lefthand corner of the grid to select all entities on the current page of the grid.

BEN	Name 1	Eligible Cost per BEN
10598	Boone Middle School	\$16,950.00
110	Jacksonville Jr/Sr High School	\$11,300.00
109	Plainfield Elementary School	\$5,650.00
		V
		EDIT ELIGIBLE COST

FRN Line Item Page: Adding an Additional FRN Line Item

FRN Line Item Number	↓ Type of Internal Connection	Type of Product	Quantity	One-time Quantity	Total Eligible FRN Line Item Cost
1899000290.001	Wireless Data Distribution	Access Point	0	60	\$33,900.00
		ADD NE	W FRN LINE I	TEM REMOVE	FRN LINE ITEM BULK UPLOAI
	ystem generated er the FRN numb				
ACK DISCARD FORM					SAVE & SHARE CONTINU
If you have m	nis example, we		w FRN Lir		SAVE & SHARE CONTIN

Adding a Wireless Controller Line Item

Product and Service Details for new F Equipment - Ruckus - Vendor AAA	FRN Line Item for FRN #1899000290 - Wireless
Type of Internal Connection 🛛 *	
Wireless Data Distribution	•
Type of Product *	Make *
Wireless Controller	✓ Ruckus Wireless ✓
	Model *
Installation Included in Price?	901-3050-US00
YES NO 🗸	Lease or Non-Purchase Agreement?
For a wireless controller, sel	ect "Wireless Data Distribution," then
"Wireless Controller." Then c	choose the Manufacturer for the "Make"
(use "Other" if you	ur manufacturer isn't listed).
	anufacturer's SKU or Model Number - <u>not</u> <u>description.</u>

Entering Unit Costs/Quantity

For equipment purchases/installation, If this line item is for equipment list the cost/unit for this FRN Line Item. purchases, enter \$0's in the monthly recurring cost column. List the # of units. Monthly Cost One-Time Cost \$30,000.00 Monthly Recurring Unit Cost \$0.00 One-time Unit Cost Monthly Recurring Unit One-time Ineligible Unit Cost \$0.00 \$0.00 **Ineligible Costs** = \$30,000.00 One-time Eligible Unit Cost Monthly Recurring Unit Eligible = \$0.00 Costs One-time Quantity Monthly Quantity 0 Total Eligible One-time Costs = \$30,000.00 Units Each -Summary Total Monthly Eligible Recurring = \$0.00 Total Eligible Recurring Costs \$0.00 Costs Total Eligible One-time Costs + \$30,000.00 Months of Service x 12 Pre-Discount Extended Eligible **Total Eligible Recurring Costs** = \$0.00 = \$30,000.00 Line Item Cost

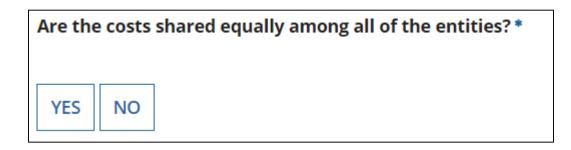
Identifying Recipients of Equipment for this Line Item

Is every entity for this organization receiving service?



Select "Yes" if all buildings are receiving equipment or sharing equipment. Select "No" if only one or some buildings are receiving/using the equipment.

BEN	BEN Name	
✓ 109	Plainfield Elementary School	
✓ 110	Jacksonville Jr/Sr High School	
10597	Gallaudet Elementary School	
10598	Boone Middle School	If you selected "No." you ar
10599	Franklin High School	If you selected "No," you ar prompted to select/check the
10600	Bluford Middle School	receiving the equipment/set
10601	Guggenheim Elementary School	click "Add."
10602	Anderson Elementary School	
10603	Buchanan Elementary School	
10604	Ross Elementary School	
		< 1 – 10 of 11
		ADD



If you answer "Yes" the system will split the costs of this line item equally among the schools you selected from the previous list.

Unless the quantities are identical per school, do <u>not</u> want to choose this option. Instead, select "No" and the system will allow you to enter the appropriate costs per school.

Assigning Eligible Costs/Building

This is the total amount of this FRN Line Item that must be allocated among these entities.

Recipients of Service for FRN Line Item #1899000290.003

Please allocate the remaining Total Eligible Line Item Cost of **\$30,000.00** to the entity(ies) below.

Select the entity(ies) in the grid below and then click the Edit Eligible Cost button to edit the eligible cost allocated to each BEN. Please note, you can also select the checkbox in the upper lefthand corner of the grid to select all entities on the current page of the grid.

BEN	Name 1	1	Eligible Cost per BEN
10598	Boone Middle School		
110	Jacksonville Jr/Sr High School		
109	Plainfield Elementary School		
7			

EDIT ELIGIBLE COST

Check each school, then "Edit Eligible Cost" to assign the pre-discount amount to each school.

Weighted Allocation for Shared Equipment

	OFFLINE MATH	Enrollment	% Enrollment	Co	Enrollment x st of Shared quipment
	Plainfield Elem	225	0.21	\$	6,355.93
all	Jacksonville Jr HS	256	0.24	\$	7,231.64
	Boone MS	581	0.55	\$	16,412.43
by		1062		\$	30,000.00

- 3 options for weighted allocations:
 - 1) By % of enrollment
 - Take total enrollment for all schools being served by equipment
 - Divide school enrollment by total enrollment to obtain % enrollment for that school
 - Multiple school % enrollment by total cost of equipment
 - 2) By % usage
 - 3) Other: Another method that you develop that is defendable/logical

OFFLINE MATH	# of WAPs in School	% WAP Usage	Total Cost of Shared Equipment
Plainfield Elem	55	0.23	\$ 7,021.28
Jacksonville Jr Hs	65	0.28	\$ 8,297.87
Boone MS	115	0.49	\$ 14,680.85
	235		\$ 30,000.00

% WAP Usage x

Allocation of Costs Per School by % Enrollment

You must now allocate the costs for each recipient/user of equipment to match the line item total.

Edit Eligible Cost Allocated to	the Recipien	it(s)			
Please allocate the remaining Total Eligible Line It	em Cost of \$30,000.0	0 to the entity(i	es) below.		
1. Plainfield Elementary School (BEN: 109)					
\$6,355.93					
2. Jacksonville Jr/Sr High School (BEN: 110)					
\$7,231.64					
3. Boone Middle School (BEN: 10598)					
\$16,412.43					rollment x of Shared
	OFFLINE MATH	Enrollment	% Enrollment	Cor	nponent
	Plainfield Elem	225	0.21	\$	6,355.93
	Jacksonville Jr HS	256	0.24	\$	7,231.64
	Boone MS	581	0.55	\$	16,412.43
		1062		\$	30,000.00

Balancing to \$0.00

After you have entered the amounts/building, the "amount remaining" should balance out to \$0.00.

- If the remaining cost is just a few cents, it's likely due to a rounding issue, and you should return to the previous screen and add or subtract a few pennies from one of the allocations.
- If the remaining cost is more than a few cents, it's because there is an error in your offline math and you should double-check your figures and click on "Edit Eligible Cost" to make corrections.

Recipients of Service for FRN Line Item #1899000290.003

Please allocate the remaining Total Eligible Line Item Cost of **\$0.00** to the entity(ies) below.

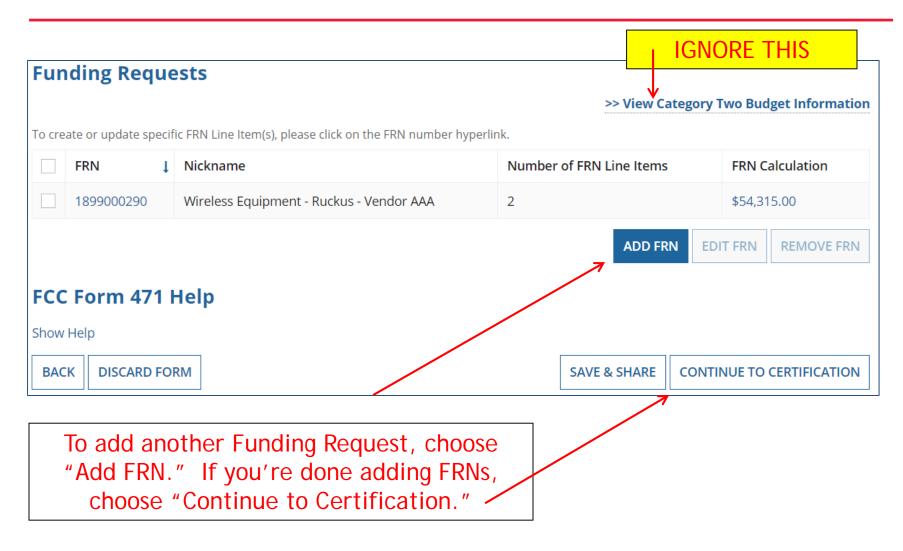
Select the entity(ies) in the grid below and then click the Edit Eligible Cost button to edit the eligible cost allocated to each BEN. Please note, you can also select the checkbox in the upper lefthand corner of the grid to select all entities on the current page of the grid.

BEN	Name 1	Eligible Cost per BEN	
10598	Boone Middle School	\$16,412.43	
110	Jacksonville Jr/Sr High School	\$7,231.64	
109	Plainfield Elementary School	\$6,355.93	
			V
			EDIT ELIGIBLE COST

FRN Line Item Page: Adding an Additional FRN Line Item

Notice, the system generated a new	0 0 / FRN LINE IT	1 60 TEM REMOVE	\$30,000.00 \$33,900.00 FRN LINE ITEM BULK UPLOAD
1899000290.001 Distribution Access Point Notice, the system generated a new ADD NEW FRN line item number after the FRN ADD NEW	-		
FRN line item number after the FRN	/ FRN LINE IT	REMOVE	FRN LINE ITEM BULK UPLOAD
BACK DISCARD FORM			SAVE & SHARE CONTINUE
If you have more line items for this FRN, click Item. We will add a new FRN Line Item in Controller to th	this exa		

Main FRN Page: Adding Another FRN



Example 2: Network Switches FRN (Site specific equipment)



FRN Example 2: Switching Equipment

• Assumptions:

- Contracted service (all C2 must be contracted)
- 1 FRN line item
- 3 schools receiving equipment
- No shared equipment
- Equipment at each school
 - Jacksonville School 5 @ \$1350 = \$6750
 - Plainfield School 5 @ 1350 = \$6750
 - Franklin School 14 @ \$1350 = \$18,900
 - TOTAL: \$32,400
 - Quantity Total: 24

Note: Many switches contain several modules that each requires its own line item. For the sake of brevity, we're just using one of those modules in this example.

Main FRN Page

Fun	nding Req	ue	ests				
					>> View Categor	y Two Buo	lget Informatio
o cre	ate or update sp	ecif	ic FRN Line Item(s), please click on the FRN number hyp	erlink.			
	FRN	ţ	Nickname	Number of	f FRN Line Items	FRN C	alculation
	1899000290		Wireless Equipment - Ruckus - Vendor AAA	2		\$54,31	15.00
					ADD FRN	DIT FRN	REMOVE FRN
							REMOVETRA
		C	lick "Add FRN" to add an ad	ditional (`ategory 2 FR	N	
		U			allyony z Th	1.1.	

Funding Request Key Information

Funding Request Key Information Please enter a Funding Request Nickname here @*	Provide a descriptive nickname for each fund
Switches - Aruba - Vendor BBB 🗧	request.
s this Funding Request a continuation of an FRN from	n a previous funding year?
YES NO√ ←	Likely "no" for C2 requests unless it's for maintenance or leased equipment.
Copy FRN	
f you want to copy an existing Funding Request, select Co	ppy FRN below. Note that if an FCDL has been issued for the FRN, the approved
version of the FRN will be copied.	spy may below. Note that if the be has been issued for the may, the approved
COPY FRN <	Optional: Use this option to retrieve previously filed FRN in EPC - likely useful
COPY FRN <	Optional: Use this option to retrieve
	Optional: Use this option to retrieve previously filed FRN in EPC – likely useful only for multi-year maintenance contract
COPY FRN	Optional: Use this option to retrieve previously filed FRN in EPC – likely useful only for multi-year maintenance contract

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.



Linking to a Contract

Click "Search" to see all your contracts listed.

Next, you will associate a contract to your FRN. Please search for a con	ntract below and select one to associate it to the FRN.
Associate a Contract	
Search by Creating Organization BEN	Search by Nickname (All or Partial)
108	
Search by Contract ID	Search by Contract No.
	CLEAR FILTERS SEARCH

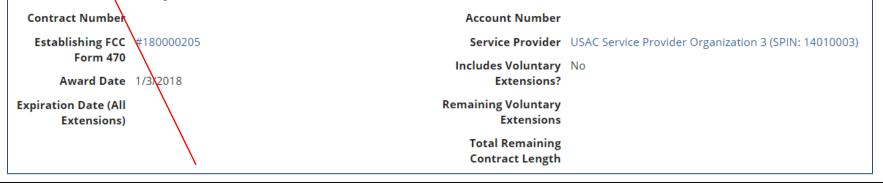
Since "Contract" was selected on the previous screen, you will be prompted to search for all of the contracts you have entered in the EPC Contract Module.

You <u>must</u> 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

Contract	ID Contract Number	Nickname	Award Date 🕴	Creating Organization BEN
4934		2018 - Ruckus Wireless - Vendor AAA Contract	1/3/2018	108
4935		2018 - Aruba - Switches Contract	1/3/2018	108
4378		2017 - WAN - Sunesys	3/20/2017	108
4387		2017 - Structured Cabling - Gator Networking	3/1/2017	108
4336		2017 - WAPS - Ruckus - Integra1	3/1/2017	108
				< 1 - 5 of 20 >

Contract Summary - 2018 - Aruba - Switches Contract



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? 🕢 *	What is the date your contract expires for the current term of the contract? ? * 09/30/2019		
07/01/2018			
Enter the date when services will start for this Funding Year			
Service Start Date: The system will automatically enter 7/1/2018 as SSD.	<u>Contract Expiration Date:</u> You will need enter the CED for this contract, which is likely		
Note: In previous years, you listed this as 4/1/20xx - these should always be listed now as 7/1/20xx.	9/30/2019 for Category 2 equipment contracts.		

FRN Narrative Box

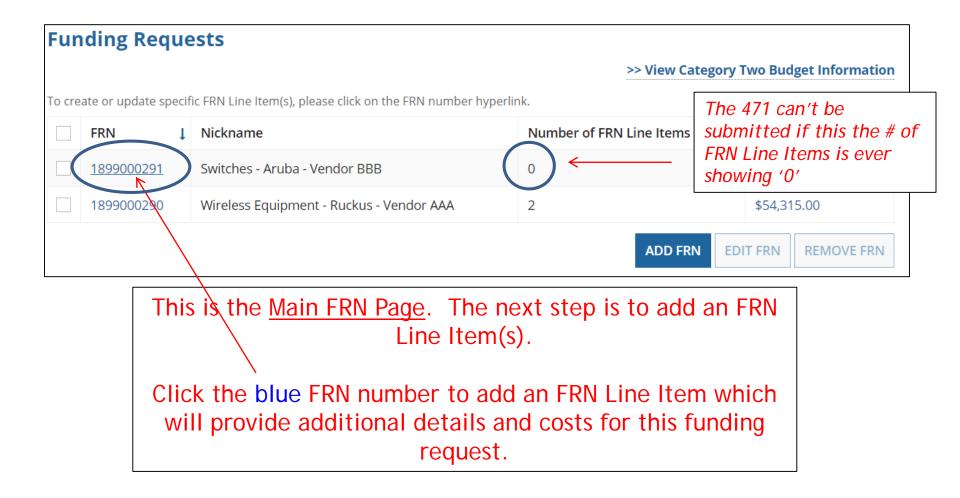
Narrative

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. *

Switching components that will be located in 3 schools.

Provide a brief narrative that will give enough details so your PIA reviewer understands the services you are requesting. Something like, "Switching components that will be located in 3 schools."

Adding an FRN Line Item



Adding FRN Line Item



Select "Add New FRN Line Item."

Adding a Line Item – Type of IC

Product and Service Details for new FRN Line Item for FRN #1899000291 - Switches - Aruba - Vendor BBB						
Type of Internal Connection 😧 *						
Data Distribution						
Please select a value						
Cabling/Connectors						
Caching						
Data Distribution						
Data Protection	Select the equipment type that matches your					
Racks	funding request from the drop down choices.					
Software	Software Innung request from the drop down choices.					
Wireless Data Distribution						
Miscellaneous	iscellaneous Note: Miscellaneous = installation/taxes/fees.					

Adding a Line Item – Type of Product

The "Type of Product" choices change depending on the Type of IC was selected.

-

Generally, here are the options:

Type of Internal Connection 😯 *			
Data Distribution			
Type of Product *			
> Switch	•		
If This Type of Internal Connection	Then These Are the Options for Type of Product		
Cabling/Connectors	Cabling/Connectors		
Caching	Caching Service, Equipment		
Data Distribution	Routers, Switches		
Data Protection	Firewall, UPS		
Racks	Racks/Cabinets		
Software	Operating System Software		
Wireless Data Distribution	WAPS, Antenna, Controllers		
Miscellaneous	Installation, Training and Taxes		

Listing Make/Model Number

Make *	
Aruba	•
Model *	
J9728A-HP-2920-48G	

The "Make" is the manufacturer's name and there is a long list to choose from. Use "Other" if your manufacturer isn't listed, and then type-in the name.

The "Model" should be the manufacturer's SKU or Model Number - not a description.

Installation/Leasing Questions



Select "No" if installation is <u>not</u> bundled with this FRN line item, or if installation is listed on a separate FRN Line Item, or if installation is not included on your contract.

Select "Yes" if this is an FRN line item just for installation, or if installation is BUNDLED in with the price for this FRN line item.



If you are leasing the equipment (as opposed to purchasing it), select "Yes." The most common answer will be "No."

Entering Unit Costs/Quantity

purchases, enter \$	is for equipment 0's in the monthly		ourchases/installation, for this FRN Line Item.		
recurring co		List the # of uni			
Cost Calculation for ı Vendor BBB	new FRN Line Item fo	r FRN #1899000291 - Switc	:hes - Aruba -		
Monthly Cost	\checkmark \checkmark	One-Time Cost	\checkmark		
Monthly Recurring Unit Cost	\$0.00	One-time Unit Cost	\$1,350.00		
Monthly Recurring Unit Ineligible Costs	\$0.00	One-time Ineligible Unit Cost	\$0.00		
Monthly Recurring Unit Eligible		One-time Eligible Unit Cost	= \$1,350.00		
Costs	= \$0.00	One-time Quantity	24		
Monthly Quantity	0	Total Eligible One-time Costs	= \$32,400.00		
Units	Each 👻	Summary			
Total Monthly Eligible Recurring Costs	= \$0.00	Total Eligible Recurring Costs	\$0.00		
Months of Service	x 12	Total Eligible One-time Costs	+ \$32,400.00		
Total Eligible Recurring Costs	= \$0.00	Pre-Discount Extended Eligible Line Item Cost	= \$32,400.00 ₆₇		

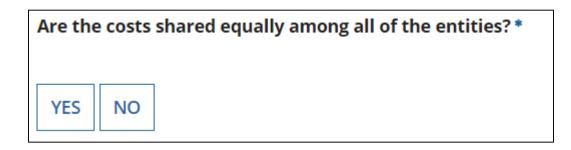
Identifying Recipients of Equipment for this Line Item

Is every entity for this organization receiving service?



Select "Yes" if all buildings are receiving equipment or sharing equipment. Select "No" if only one or some buildings are receiving/using the equipment.

	BEN	BEN Name		
~	109	Plainfield Elementary School		
~	110	Jacksonville Jr/Sr High School		
	10597	Gallaudet Elementary School		
~	10598	Boone Middle School	If you selected "No." you a	
	10599	Franklin High School	If you selected "No," you are then prompted to select/check the building receiving the equipment/service. Then	
	10600	Bluford Middle School		
	10601	Guggenheim Elementary School	click "Add."	
	10602	Anderson Elementary School		
	10603	Buchanan Elementary School		
	10604	Ross Elementary School		
			< 1 – 10 of 11	
			ADD	



If you answer "Yes" the system will split the costs of this line item equally among the schools you selected from the previous list.

Unless the quantities are identical per school, do <u>not</u> want to choose this option. Instead, select "No" and the system will allow you to enter the appropriate costs per school.

Assigning Eligible Costs/Building

Recipients of Service for FRN Line Item #1899000291.001

Please allocate the remaining Total Eligible Line Item Cost of **\$32,400.00** to the entity(ies) below.

Select the entity(ies) in the grid below and then click the Edit Eligible Cost button to edit the eligible cost allocated to each BEN. Please note, you can also select the checkbox in the upper lefthand corner of the grid to select all entities on the current page of the grid.

	BEN	Name 1	Eligible Cost per BEN	
	10598	Boone Middle School		
~	110	Jacksonville Jr/Sr High School		
	109	Plainfield Elementary School		
	R C C C C C C C C C C C C C C C C C C C			EDIT ELIGIBLE COST
		7		

Allocating Costs/School

You can now allocate the costs for each school that was selected as a recipient of the equipment. The amounts allocated to the schools must add up to the total amount of the line item.

Edit Eligible Cost Allocated to Please allocate the remaining Total Eligible Line Ite 1. Plainfield Elementary School (BEN: 109) \$6,750.00 2. Jacksonville Jr/Sr High School (BEN: 110)	the # of unit for the to school.	Note: The system never asks for the # of units for each school. It asks for the total pre-discount cost by school. You must do the math offline to calculate the costs per school.			
\$6,750.00 3. Boone Middle School (BEN: 10598)		# Switch			
\$18,900.00	OFFLINE MATH:	Modules	Cost/Module	Co	st/School
	Plainfield Elem	5	\$1,350	\$	6,750.00
	Jacksonville Jr HS	5	\$1,350	\$	6,750.00
	Boone MS	14	\$1,350	\$	18,900.00
	TOTAL	24		\$	32,400.00
	The total here prediscount am				71

Balancing to \$0.00

After you have entered the amounts/building, the "amount remaining" should balance out to \$0.00.

- If the remaining cost is just a few cents, it's likely due to a rounding issue, and you should return to the previous screen and add or subtract a few pennies from one of the allocations.
- If the remaining cost is more than a few cents, it's because there is an error in your offline math and you should double-check your figures and click on "Edit Eligible Cost" to make corrections.

Recipients of Service for FRN Line Item #1899000290.001

Please allocate the remaining Total Eligible Line Item Cost of **\$0.00** to the entity(ies) below.

Select the entity(ies) in the grid below and then click the Edit Eligible Cost button to edit the eligible cost allocated to each BEN. Please note, you can also select the checkbox in the upper lefthand corner of the grid to select all entities on the current page of the grid.

BEN	Name 1	Eligible Cost per BEN
10598	Boone Middle School	\$16,950.00
110	Jacksonville Jr/Sr High School	\$11,300.00
109	Plainfield Elementary School	\$5,650.00
		V
		EDIT ELIGIBLE COST

FRN Line Item Page: Adding an Additional FRN Line Item

FRN Line Item Number	↓ Type of Internal Connection	Type of Product	Quantity	One-time Quantity	Total Eligibl Item Cost	e FRN Line
1899000291.001	Data Distribution	Switch	0	24	\$32,400.00	
: Form 471 He	TEM REMOVE	FRN LINE ITEM	BULK UPLOAD			
ou have more	line items for thi	s FRN, click	here to a	dd an		
	additional FRN L	ine Item.			SAVE & SHAI	

Main FRN Page: Adding Another FRN

-				ry Two Budget Informatio
To cre		fic FRN Line Item(s), please click on the FRN number hy	•	
	FRN I	Nickname	Number of FRN Line Items	FRN Calculation
	1899000291	Switches - Aruba - Vendor BBB	1	\$27,540.00
	1899000290	Wireless Equipment - Ruckus - Vendor AAA	2	\$54,315.00
	: Form 471	Help		
	Form 471	Help		

Example 3: Structured Cabling (Site specific service/equipment)



FRN Example 3: Structured Cabling

• Assumptions:

- Contracted service (all C2 must be contracted)
- 1 FRN line item
- 1 school receiving structured cabling
 - Boone Middle School \$35,700
- Do not list individual connectors, cables, widgets
 - Try to have your vendor contract be for a single cost per drop and not broken out by individual widget

Main FRN Page: Adding Another FRN

Fun	iding Reque	ests	>> View Categor	y Two Budget Information
To cre	ate or update speci	fic FRN Line Item(s), please click on the FRN number hy	perlink.	
	FRN I	Nickname	Number of FRN Line Items	FRN Calculation
	1899000291	Switches - Aruba - Vendor BBB	1	\$27,540.00
	1899000290	Wireless Equipment - Ruckus - Vendor AAA	2	\$54,315.00
			ADD FRN	EDIT FRN REMOVE FRN
	To add a	an addition Funding Request "Add FRN."	:, choose	

Funding Request Key Information

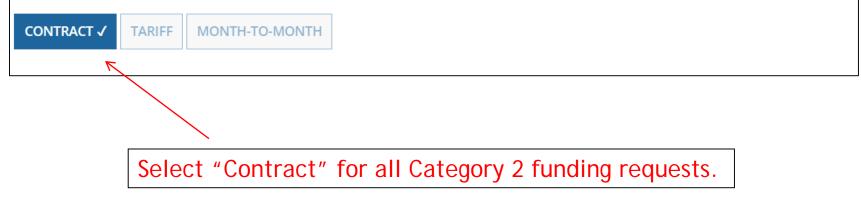
Funding Request Key Information		
Please enter a Funding Request Nickname here 🕑 *	Provi	de a descriptive nickname for each funding
Structured Cabling - Gator Networking <	reque	est.
Is this Funding Request a continuation of an FRN from a pre-	evious funding yea	ar?
YES NOJ		/ "no" for C2 requests unless it's for tenance or leased equipment.
Copy FRN		
If you want to copy an existing Funding Request, select Copy FRN version of the FRN will be copied.	N below. Note that	if an FCDL has been issued for the FRN, the approved
COPY FRN		Optional: Use this option to retrieve previously filed FRN in EPC - likely useful
Service Type		only for multi-year maintenance contract
What is the service type of the product and services that you requesting?	u are	
Internal Connections	"Int	ect either "Basic Maintenance" or ernal Connections" or "MIBS." Most C2 wi for Internal Connections.

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.



Linking to a Contract

As	sociate a	Contract				
Search by Creating Organization BEN			Sear	Search by Nickname (All or Partial)		
108						
earc	h by Contract I	D	Sear	ch by Contract No.		
		•	and then click "Sea by entered in EPC.	irch" to see		CLEAR FILTERS SEARCH
	Contract ID	Contract Number	Nickname	Award Da	te 🖡	Creating Organization BEN
	4934		2018 - Ruckus Wireless - Vendo Contract	nr AAA 1/3/2018		108
	4935		2018 - Aruba - Switches Contra	ct 1/3/2018		108
~	4936		2018 - Structured Cabling - Gat Networking Contract	or 1/3/2018		108
	4378		2017 - WAN - Sunesys	3/20/2017		108
	4387		2017 - Structured Cabling - Gat	or 3/1/2017		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? 🕜 *	What is the date your contract expires for the current term of the contract? 🕜 *		
07/01/2018	09/30/2019		
Enter the date when services will start for this Funding Year	\uparrow		
Service Start Date: The system will automatically enter 7/1/2018 as SSD.	<u>Contract Expiration Date:</u> You will need enter the CED for this contract, which is likely		
Note: In previous years, you listed this as 4/1/20xx - these should always be listed now as 7/1/20xx.	9/30/2019 for Category 2 equipment contracts.		

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. *

FRN is for structured cabling for the Boone Middle School. Vendor will provide fiber cabling from wireless access points back to closest network closet. This is a flat-rate contract, with all cabling and components costs included with the service.

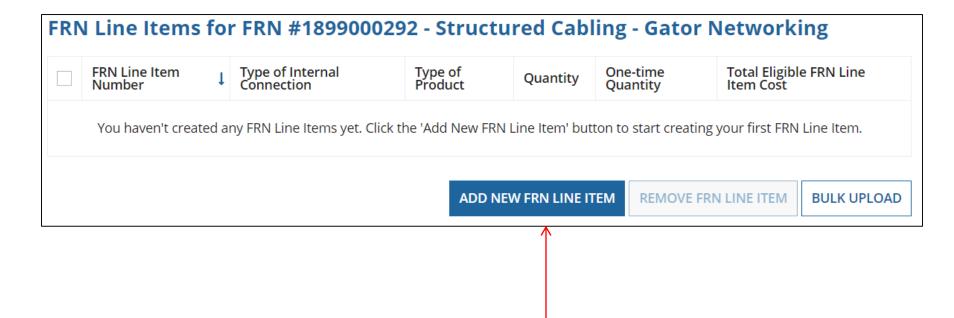
Provide a brief narrative that will give enough details so your PIA reviewer understands the services you are requesting. Something like, "FRN is for structured cabling for the Franklin High School.
Vendor will provide fiber cabling from wireless access points back to closest network closet. This is a flat-rate contract, with all cabling and components costs included with the above service."

Adding an FRN Line Item

Funding	Request	5	>> View	Category Two Budget Information	
		N Line Item(s), please click on the FRN number h		The 471 can't be	
ERN 18990		kname uctured Cabling - Gator Networking	Number of FRN Line Item	submitted if this the # of FRN Line Items is ever showing '0'	
18990	00291 Sw	itches - Aruba - Vendor BBB	1	\$27,540.00	
18990	00290 Wi	reless Equipment - Ruckus - Vendor AAA	2	\$54,315.00	
			ADD F	FRN EDIT FRN REMOVE FRN	
This is the <u>Main FRN Page</u> . The next step is to add an FRN Line Item(s).					
Click the blue FRN number to add an FRN Line Item which will provide additional details and costs for this funding					

request.

Adding FRN Line Item



Select "Add New FRN Line Item."

Adding a Line Item – Type of Product

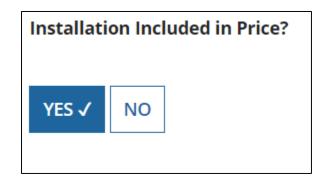
		Type of Internal Connection 🕜 *		
		Cabling/Connectors		
The "Type of Product" choices change depending on the		Type of Product * Cabling		
Type of IC was	_			
selected.		If This Type of Internal Connection	Then These Are the Options for Type of Product	
		Cabling/Connectors	Cabling/Connectors	
		Caching	Caching Service, Equipment	
Generally, here		Data Distribution	Routers, Switches	
are the options:	\neg	Data Protection	Firewall, UPS	
		Racks	Racks/Cabinets	
		Software	Operating System Software	
		Wireless Data Distribution	WAPS, Antenna, Controllers	
		Miscellaneous	Installation, Training and Taxes	

Listing Make/Model Number

Make *						
Other	•					
Enter the Make *						
Gator Networking						
Model *						
Structured Cabling						

The easiest way to apply for structured cabling is to have a vendor contract with a fixed price that is inclusive of all components. Then select "Other" and enter the vendor's name as the Make. List "Structured Cabling" as the Model.

Installation/Leasing Questions





If the FRN is for a fixed price for structured cabling, then select "Yes." However, if installation is listed on a separate line item, select "No." If you are leasing the equipment, as opposed to purchasing it, select "Yes." The most common answer will be "No."

Entering Unit Costs/Quantity

If this line item is <u>purchases</u> , enter \$0 recurring cos	's in the monthly	Enter Unit Cost and Quantity		
Monthly Cost	\checkmark	One-Time Cost		
Monthly Recurring Unit Cost	\$0.00	One-time Unit Cost	\$35,700.00	
Monthly Recurring Unit Ineligible Costs	\$0.00	One-time Ineligible Unit Cost	\$0.00	
-		One-time Eligible Unit Cost	= \$35,700.00	
Monthly Recurring Unit Eligible Costs	= \$0.00	One-time Quantity	1	
Monthly Quantity	0	Total Eligible One-time Costs	= \$35,700.00	
Units	Each 🝷	Summany		
Total Monthly Eligible Recurring	- #0.00	Summary		
Costs	= \$0.00	Total Eligible Recurring Costs	\$0.00	
Months of Service	x 12	Total Eligible One-time Costs	+ \$35,700.00	
Total Eligible Recurring Costs	= \$0.00	Pre-Discount Extended Eligible Line Item Cost	= \$35,700.00	

Identifying Recipients of Equipment for this Line Item

Is every entity for this organization receiving service?

YES NO ✓

Select "Yes" if all buildings are receiving equipment or sharing equipment. Select "No" if only one or some buildings are receiving/using the equipment.

	BEN	BEN Name				
	109	Plainfield Elementary School				
	110	Jacksonville Jr/Sr High School				
	10597	Gallaudet Elementary School	If you selected "No," you are then			
~	10598	Boone Middle School	prompted to select/check the buildings			
	10599	Franklin High School	receiving the equipment/service. Then			
	10600	Bluford Middle School	<pre>click "Add."</pre>			
	10601	Guggenheim Elementary School	In this example, only Roone Middle School			
	10602	Anderson Elementary School	In this example, only Boone Middle School is being wired.			
	10603	Buchanan Elementary School				
	10604	Ross Elementary School				
			< 1 – 10 of 11 >			
			ADD 89			

Are Costs Shared?

Selected Entities						
	BEN	BEN Name				
	10598	Boone Middle School				
Are th YES	he costs shared equally among all o	f the entities?				

Generally, the answer to this question will be "No."

If you answer "Yes" the system will split the costs of this line item equally among the schools you selected from the previous list. If you answer "No" the system will allow you to enter the appropriate costs per school.

Because this is a <u>single-site project</u>, you can answer "Yes" and then no cost allocation must be done.

Assigning Eligible Costs/Building

Recipients of Service for FRN Line Item #1899000292.001

The Total Eligible Line Item Cost of \$35,700.00 has been allocated equally to the entity(ies) below.

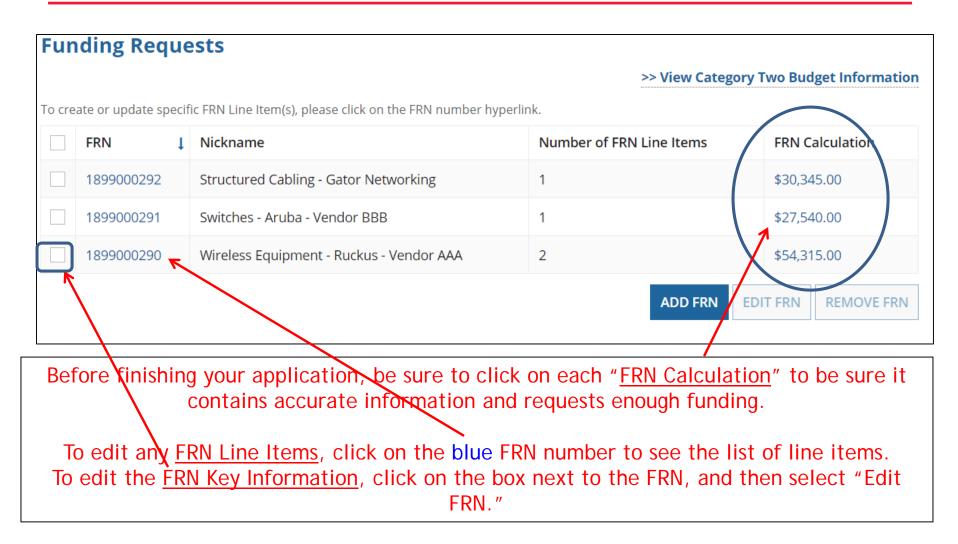
BEN	Name 1	Eligible Cost per BEN
10598	Boone Middle School	\$35,700.00

The system automatically allocated the full cost to the single site identified as the Recipient of Service.

FRN Line Item Page: Adding an Additional FRN Line Item

FRN Line Item Number	l Type of Product	Type of ProductQuantityOne-time QuantityTotal Eligit Item Cost			
1899000292.001 Cabling/Connec	tors Cabling	0	1	\$35,700.00	
	ADD N	IEW FRN LINE I	TEM REMOVE FR	RN LINE ITEM	BULK UPLOAD
C Form 471 Help		<u>^</u>			
ow Help					
BACK DISCARD FORM SAVE & SHARE CONTINU					
If you have more line iter	ns for this FRN, o Item		to add an ac	ditional F	N Line

Main FRN Page – Review FRN Calculations



Finished Adding FRNs?

ADD FRN

Funding Requests

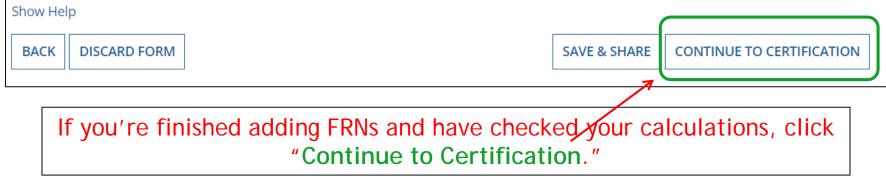
>> View Category Two Budget Information

EDIT FRN

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

FRN ↓	Nickname	Number of FRN Line Items	FRN Calculation
1899000292	Structured Cabling - Gator Networking	1	\$30,345.00
1899000291	Switches - Aruba - Vendor BBB	1	\$27,540.00
1899000290	Wireless Equipment - Ruckus - Vendor AAA	2	\$54,315.00

FCC Form 471 Help



REMOVE FRN

Connectivity Questions Responses

District/System-wide Internet Access Questions

Does your school district currently aggregate Internet access for the entire district (as opposed to buying Internet access on a building-by-building basis)? Yes

Download Speed 500 Upload Speed 500 Download Speed Units Mbps Upload Speed Units Mbps

Per-Entity Basis Questions

Entity Name BLUE RIBBON SCHOOL DISTRICT - PARENT ENTITY Entity Number 108

Entity Name	BEN	Download	Units	Upload	Units	Connection	Wifi Sufficient	Barriers to Robust Network
Plainfield Elementary School	109	100	Mbps	100	Mbps	Fiber	Mostly	Physical structure or layout of building(s)
Jacksonville Jr/Sr High School	110	1	Gbps	1	Gbps	Fiber	Sometimes	Installation too costly
Gallaudet Elementary School	10597	1	Gbps	1	Gbps	Fiber	Completely	No barriers
Boone Middle School	10598	1	Gbps	1	Gbps	Fiber	Completely	No barriers
Franklin High School	10599	1	Gbps	1	Gbps	Fiber	Completely	No barriers
Bluford Middle School	10600	1	Gbps	1	Gbps	Fiber	Completely	No barriers
Guggenheim Elementary School	10601	1	Gbps	1	Gbps	Fiber	Completely	No barriers

Discard Form

Back

Save & Share Review FCC Form 471

The system will next show

the answers you provided in

the Connectivity Module in

EPC. To complete or edit this

information, return to the

District's Lightning Bolt Page - "Related Actions" in EPC, then return to the form under

My Tasks.

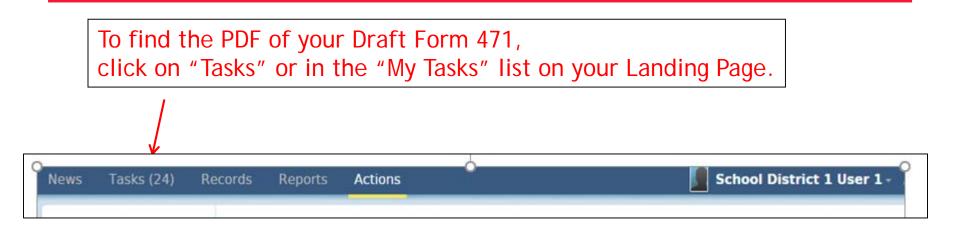
Select "Review FCC Form 471."

Creating the Draft Form PDF

one Middle School	10598	1	Gbps	1	Gbps	Fiber	Completely	No barriers
anklin High School	10500	1	Ghos	1	Ghos	Fiber	Completely	No barriers
Iford Middle School		e next step is your draft for				iber	Completely	No barriers
ggenheim Elementary hool		will assign y download the	PDF and	l either sen	d for	-ïber	Completely	No barriers
derson Elementary hool		tification or c k may take s you. Do y	ome time		gned to	Fiber	Sometimes	Equipment too costly
chanan Elementary hool		N	o	Yes		⁻ iber	Completely	Equipment too costly
ss Elementary School						Fiber	Mostly	Physical structure or layout of building(s)
1 10 of 11								

Select "Yes" and in about 30 seconds, the system will send a "Task" to your EPC account as well as an e-mail notifying you that the Task has been created.

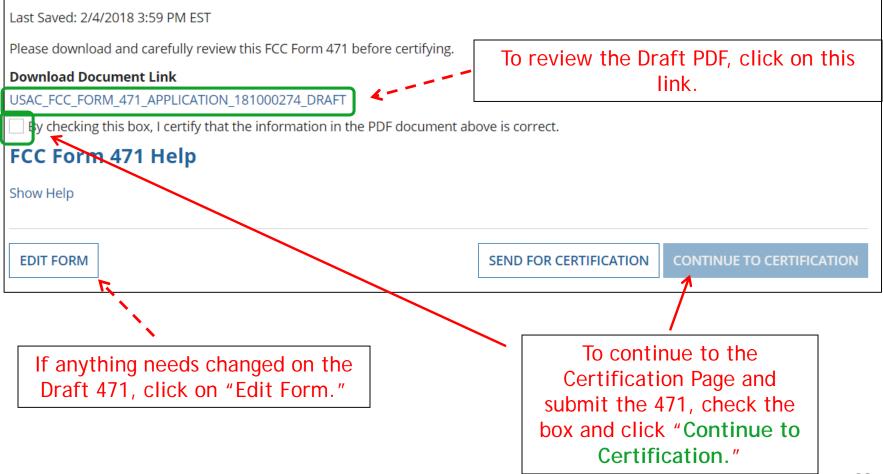
Where to See the Draft Form PDF Task



∽My Tasks			
Name	Received	Status	Deadline
Review PDF for FCC Form 471 - #181000274 - FY 2018 - Category 2 - Form 471	2/4/2018 4:08 PM EST	Assigned	

Reviewing the Draft 471

PAS BEST SCHOOL DISTRICT - (PARENT ENTITY) (BEN: 108) - FY 2018 - Category 2 - Form 471 - Form # 181000274



Review PDF & Continue to Certification Page

PAS BEST SCHOOL DISTRICT - (PARENT ENTITY) (BEN: 108) - FY 2018 - Category 2 - Form 471 - Form # 181000274

Last Saved: 2/4/2018 3:59 PM EST Please download and carefully review this FCC Form 471 before certifying. Download Document Link USAC_FCC_FORM_471_APPLICATION_181000274_DRAFT 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 To see the PDF of your Form 471, click on the blue link. If you need to make edits, click "Edit Form" to re-enter the form. If you are ready to submit the form, check the box and "Continue to Certification." You must have Full Rights in order to certify the form. 99

Certification Page

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

PAS BEST SCHOOL DISTRICT - (PARENT ENTITY) (BEN: 108) - FY 2018 - Category 2 - Form 471 - Form # 181000274

Last Saved: 2/4/2018 3:59 PM EST

Basic Information

Entity Information

Funding Requests

Connectivity Information

Certify

Please complete the certifications below.

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 ite	m costs on this FCC Form 47	71:		
Summary				
Total funding year pre-discount eligible a 471			\$132,000.00	
Total funding commitment request amo	Enter the amou	unt you're \$112,200.00		
Total applicant non-discount share of the	chnology for FY \$19,8			
Total budgeted amount allocated to reso support	2018, less any costs. Don't er	• • • • •	2	→ \$850,000.00
Total amount necessary for the applicant share of eligible and any ineligible amount of eligible amount of the share of eligible amount of eligi			\$869,800.00	
Are you receiving any of the funds direct listed on any of the FCC Forms 471 filed b funding year?	No ←	Alw	ays select "No."	
Has a service provider listed on any of th this Billed Entity for this funding year ass needed to pay your non-discounted shar	isted you in locating funds	No ←	Alw	ays select "No."

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

BACK

CERTIFY

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

Confirmation Page

You have successfully filed FCC Form 471 #181000274 for FY 2018

Certification Date

2/4/2018 4:16 PM EST

Authorized Person

- Name School District 4 User 1
 - Title Administrator
- Employer PAS BEST SCHOOL DISTRICT (PARENT ENTITY)
 - Address 100 Main Street Springfield, PA 19064
 - **Phone** 555-555-5444
 - Email school.district4.user1@mailinator.com

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

To Print a Final Copy of Your Form 471

FCC Forms and Post-Commitment Requests									
• FCC Forms 2017		s 💽 All							
O Post-Commitment Re	equests								
Form Type	FCC Form 471	•	 Certified Committed 						
Funding Year	2018	•							
Application Number	Nickname	Funding Year	Status	Certified Date					
181000164	FY 2018 Category 1 Form 471	2018	Certified	1/28/2018 1:57 PM EST					
181000274	FY 2018 - Category 2 - Form 471	2018	Certified	2/4/2018 4:16 PM EST					
	r EPC Landing Page scro	Il to the bottom	undor F	CC Forms					

On your EPC Landing Page, scroll to the bottom under FCC Forms. Select "Form 471" and "Certified" to see a list of your FY 2018 certified 471s. Click on the blue 471 Application Number.

Printing a Final Copy of Your Form 471

~ Application Information

Nickname FY 2018 - Category 2 - Form 471 Application Number 181000274 Funding Year 2018

Window Status In-Window

Category of Service Category 2

Billed Entity Information

PAS BEST SCHOOL DISTRICT - (PARENT ENTITY)

100 Main Street

Springfield, PA 19064

555-555-5555

school.district4.user1@mailinator.com

Consultant Information

There are currently no consulting firms associated with your organization. If this is in error, please update your organization profile.

Bill

FC

Contact Information

Name School District 4 User 1

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 Versio

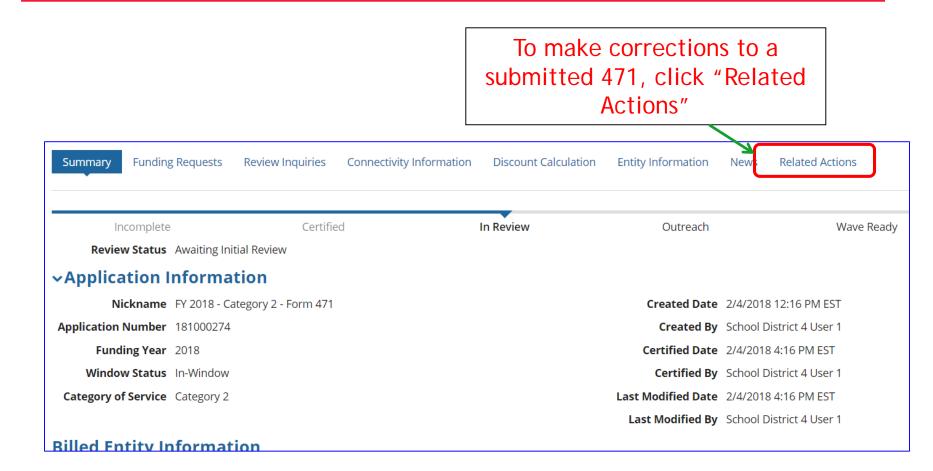
Original Version

Created Date2/4/2018 12:16 PM ESTCreated BySchool District 4 User 1Certified Date2/4/2018 4:16 PM ESTCertified BySchool District 4 User 1Last Modified Date2/4/2018 4:16 PM ESTLast Modified BySchool District 4 User 1

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

Phone Number 555-555-5444

To Submit a 471 Correction/Change



To Submit a 471 Correction/Change

Then "Submit Modification Request (RAL)

FY 2018 - Category 2 - Form 471 - #181000274

Summa	ry Funding Requests	Review Inquiries	Connectivity Information	Discount Calculation	Entity Information
News	Related Actions				
4	Respond to Inquiries Answer Reviewer Ques				
4	Submit Modification I Submit a RAL Modificat		pplication		