

Emergency Connectivity Fund FCC Form 471 ECF FCC Form 471 and Related Information Dataset Glossary

The Emergency Connectivity Fund (ECF) FCC Form 471 dataset contains data from each ECF FCC Form 471 including applicant details such as applicant type, Billed Entity Number (BEN), student count, dollars requested and approved, as well as related information from the ECF portal; data from each Funding Request Number (FRN) including service provider and contract information, Funding Commitment Decision Letter (FCDL) related data, and invoicing details; and data from each FRN line item ID including individual product/service data, costs, quantities, and descriptions.

Use this dataset to answer questions about the applicant entity, the services requested, the quantity of the service requested, which service provider is supplying the service, the invoicing method used, the length of the contract, and fiber type information if applicable. All information within the ECF FCC Form 471 dataset is self-reported by applicants.

USAC is committed to sharing the highest quality data possible. We conduct a full analysis of all datasets to determine if they are complete prior to publishing. Each dataset field is described with a “field completeness” metric that ranges from 0 -100%. Any value less than 100% indicates a field with missing values. In most cases, missing values are the result of “not required” fields.

Field Name	Field Description	Field Completeness
Application Number	Unique application number generated at the time an applicant begins to file the ECF FCC Form 471 application. Applicants can request funding for multiple services under the same application number.	100%
Form Version	Indicates whether the form version of the application is “current” or “original.” It can be used to aggregate the data between current and original applications. “Current” is the view of the form processed by USAC. “Original” is the view of the form originally submitted by the applicant upon certification.	100%
Form PDF	Link to download the original submitted ECF FCC Form 471 as a PDF. Only the “original” form version will have this link available.	100%
Application Status	Current status of the ECF FCC Form 471. It can be used to filter the following statuses: Certified and Committed.	100%
Application Nickname	Nickname given to an ECF FCC Form 471 by an applicant.	100%
Filing Window	Identifies the ECF filing window for the application.	100%

Applicant Name	Name of the applicant's organization (also referred to as the billed entity).	100%
Billed Entity Address	Applicant street address.	100%
Billed Entity City	Applicant city.	100%
Billed Entity State	Applicant state.	100%
Billed Entity ZIP code	Applicant zip code.	100%
Billed Entity ZIP Code Ext	Applicant zip code extension.	45%
Billed Entity Number (BEN)	Billed entity number for the ECF FCC Form 471 applicant.	100%
FCC Registration Number	Ten-digit number that the FCC assigns to a business or individual that registers with the FCC.	98%
Applicant Type	Applicant type including school, school district, library, library system, or consortium.	100%
Applicant Subtype	The applicant subtype (or subtypes separated by commas if multiple). Examples include: public school, private school, research library, bookmobile, Tribal school, Tribal library, etc.	97%
Contact Name	Full name of the main contact provided by the applicant on the ECF FCC Form 471.	100%
Contact Phone	Phone number of the main contact provided by the applicant on the ECF FCC Form 471.	100%
Contact Email	Email address of the main contact provided by the applicant on the ECF FCC Form 471. This contact is used as the first point of contact through the funding request process.	100%
Consulting Firm	Consulting firm entity data associated with the application's billed entity. The consulting firm entity data includes name and the consultant's registration number (CRN) assigned by USAC. If multiple consulting firms are associated with one application, then the entity data is concatenated as a nested array: {Name1 CRN1}, {Name2 CRN2}	69%
Total Student Count	Student count for the billed entity based on the entity profile. In most cases this count is obtained from the entity's EPC/E-rate profile. This will be null for libraries and library systems.	90%

Urban/ Rural Status Urban/rural status of the billed entity. This will be null for consortia and for ECF entities who did not submit any E-rate Form 471 applications for funding year 2021 and did not have their urban/rural status confirmed. 98%

Selected Members Entity Data For consortium or ESA school district billed entities, the entity data of the selected members on the application. The member entity data includes BEN, name, entity type, total student count, total square footage, and urban/rural status. If multiple member entities are selected in one application, then the entity data is concatenated as a nested array:
 {BEN1| Name1| Entity Type1| Total Student Count1| Total Square Footage1| Urban/ Rural Status1}, {BEN2| Name2| Entity Type2| Total Student Count2| Total Square Footage2| Urban/ Rural Status2}

This field is truncated to 32,000 characters, which is under the maximum character limit for an Excel cell.

3%

Total Count of Selected Members For consortium or ESA school district billed entities, the total count of selected members in the application. 3%

Unmet Student Needs 1 (At start of pandemic lacked access to device) Count of students provided by applicant in response to the application question: At the start of the pandemic, how many students in your school or school district lacked access to a connected device (laptop or tablet) that was sufficient to engage in remote learning? 90%

Unmet Student Needs 2 (At start of pandemic lacked access to connection) Count of students provided by applicant in response to the application question: At the start of the pandemic, how many students in your school or school district lacked access to a broadband connection that was sufficient to engage in remote learning? 90%

Unmet Student Needs 3 (At start of pandemic lacked access to device and connection) Count of students provided by applicant in response to the application question: At the start of the pandemic, how many students in your school or school district lacked access to both a connected device and a broadband connection that were sufficient to engage in remote learning? 90%

Unmet Student Needs 4 (During 2020-2021 provided access to device) Count of students provided by applicant in response to the application question: During the 2020-2021 school year, how many students in your school or school district did you provide a connected device, because they otherwise would not have had a connected device that was sufficient to engage in remote learning? 90%

Unmet Student Needs 5 (During 2020-2021 provided access to connection)	Count of students provided by applicant in response to the application question: During the 2020-2021 school year, how many students in your school or school district did you provide a broadband connection, because they otherwise would not have had a broadband connection that was sufficient to engage in remote learning?	90%
Unmet Student Needs 6 (During 2020-2021 provided access to device and connection)	Count of students provided by applicant in response to the application question: During the 2020-2021 school year, how many students in your school or school district did you provide both a connected device and a broadband connection, because they otherwise would not have had a connected device or a broadband connection that was sufficient to engage in remote learning?	90%
Unmet Student Needs 7 (With ECF funding will provide access to device)	Count of students provided by applicant in response to the application question: With the funding you are requesting from the Emergency Connectivity Fund Program, how many students in your school or school district will you provide with a connected device, because they would otherwise not have a connected device that is sufficient to engage in remote learning?	90%
Unmet Student Needs 8 (With ECF funding will provide access to connection)	Count of students provided by applicant in response to the application question: With the funding you are requesting from the Emergency Connectivity Fund Program, how many students in your school or school district will you provide with a broadband connection, because they otherwise would not have had a broadband connection that was sufficient to engage in remote learning?	90%
Unmet Student Needs 9 (With ECF funding will provide access to device and connection)	Count of students provided by applicant in response to the application question: With the funding you are requesting from the Emergency Connectivity Fund Program, how many students in your school or school district will you provide with both a connected device and a broadband connection, because they otherwise would not have had a connected device or a broadband connection that was sufficient to engage in remote learning?	90%
Unmet Student Needs 10 (After ECF funding will lack access to device)	Count of students provided by applicant in response to the application question: Even after receiving the funding that you are requesting from the Emergency Connectivity Fund Program, how many students in your school or school district will lack access to a connected device that is sufficient to engage in remote learning?	90%

Unmet Student Needs 11 (After ECF funding will lack access to connection)	Count of students provided by applicant in response to the application question: Even after receiving the funding that you are requesting from the Emergency Connectivity Fund Program, how many students in your school or school district will lack access to a broadband connection that is sufficient to engage in remote learning?	90%
Unmet Student Needs 12 (After ECF funding will lack access to device and connection)	Count of students provided by applicant in response to the application question: Even after receiving the funding that you are requesting from the Emergency Connectivity Fund Program, how many students in your school or school district will lack access to both a connected device and a broadband connection that is sufficient to engage in remote learning?	90%
Total Funding Commitment Request Amount	Funding request amount for applicant across all FRNs. For “original” form version records, this is the total requested amount; for “current” version records, this is the total approved amount.	100%
Certified DateTime	Exact date and time (EST) when the ECF FCC Form 471 was certified.	100%
Window Status	Indicates whether the application has been certified during the ECF FCC Form 471 application filing window. If an ECF FCC Form 471 is moved to an in-window status, the “current” and “original” form version records are updated to reflect this.	100%
Last Updated DateTime	Exact date and time the ECF FCC Form 471 was last modified (EST). Note: The date in “Last Updated DateTime” is greater than the date in “FCDL Date” whenever a post-commitment transaction updates the ECF FCC Form 471 application.	100%
Funding Request Number (FRN)	Unique funding request number associated with the ECF FCC Form 471.	100%
Funding Request Status	Status of the funding request. It includes pending, funded, denied or cancelled.	100%
Funding Request Nickname	Nickname given to an FRN from the ECF FCC Form 471 by an applicant.	100%
Service Type	FRN service type including equipment and services.	100%
Agreement Type	Agreement type for the FRN including non-contracted, contract or tariff.	100%

Service Provider Name	Service provider name for the FRN.	100%
Service Provider Identification Number (SPIN)	Unique nine-digit number assigned to identify the service provider. If null, the service provided has not registered in the E-rate program.	84%
Service Start Date	Estimated start date of services on ECF FCC Form 471 application. Service start date may impact commitment amount as it could adjust the month of services.	100%
Service End Date	Estimated end date of services on ECF FCC Form 471 application. Service end date may impact commitment amount as it could adjust the month of services.	100%
Invoicing Method	Type of invoice to be processed for FRN including “Applicant - FCC Form 472 (BEAR Form)” and “Service Provider - FCC Form 474 (SPI Form)”	100%
New Construction or Self-Provisioned Network	Indicates if an FRN includes a request for funding for new construction, a self-provisioned network, and/or datacasting equipment. This does not include monthly recurring costs for either a leased lit fiber service or wireless services.	30%
Funding Request Narrative	Narrative for the FRN describing the products and services.	100%
FRN Recurring Charges	Total monthly recurring charges of a funding request. This field can be aggregated at the FRN level to generate metrics across service type, status or entities. This field should not be used to generate metrics at FRN line item ID level.	100%
FRN One-time Charges	Total one-time/non-recurring charge of a funding request. This field can be aggregated at the FRN level to generate metrics across service type, status or entities. This field should not be used to generate metrics at FRN line item ID level.	100%
FRN Total Charges	Total charges of a funding request. This field can be aggregated at the FRN level to generate metrics across service type, status or entities. This field should not be used to generate metrics at FRN line item ID level.	100%
FRN Approved Amount	Total approved amount for a funding request. This field can be aggregated at the FRN level to generate metrics across service type, status or entities. This field should not be used to generate metrics at FRN line item ID level. This value is only available for the “current” form version records.	100%

FRN Recipients of Service (ROS) Entity Data	For consortium or ESA school district billed entities, the entity data of the selected recipients of service (ROS) on the FRN. The ROS entity data includes entity number, name, entity type, city, and state. If multiple ROS entities are selected in one application, then the entity data is concatenated as a nested array: {Entity Number1 Name1 Entity Type1 City1 State1}, {Entity Number2 Name2 Entity Type2 City2 State2}	3%
	This field is truncated to 32,000 characters, which is under the maximum character limit for an Excel cell.	
FRN Total Count of Recipients of Service	For consortium or ESA school district billed entities, the count of recipients of service in the FRN.	3%
Invoice Deadline Date	Last date an Invoice (BEAR or SPI) can be received.	0%
Service Delivery Date	Services must be installed or product must be delivered on or before this date.	0%
Obligation File #	A number that indicates in which obligation file the funding commitment was issued in.	0%
FCDL Date	The date of the obligation file that a funding commitment was issued in as well as the FRN's Funding Commitment Decision Letter (FCDL).	0%
FCDL Comment for FRN	Explanation of FCDL decision at the FRN level. MR: modification reason; CR: cancellation reason; DR: denial reason.	0%
FRN Authorized Disbursement	Total FRN approved authorized disbursement amount that will be paid to the service provider or applicant. This is at the FRN level, so each line item ID row from a given FRN will display the same value.	0%
FRN Line Item ID	Funding request line item ID number. This is the lowest level of detail of this dataset.	100%
Product Type	When the selected service type is equipment, this is the product type for the FRN line item ID. Examples include: laptops, routers, Wi-Fi hotspots, etc.	70%
Product Make	Manufacturer of the product on the FRN line item ID.	70%
Product Model	Model of the product on the FRN line item ID.	70%

Connection Type	When the selected service type is services, this is the connection type for the FRN line item ID. Examples include: leased lit fiber, cable modem, mobile broadband etc.	30%
Bandwidth Download (Mbps)	Internet download speed of the connection for the FRN line item ID as megabits per second (Mbps).	30%
Bandwidth Upload (Mbps)	Internet upload speed of the connection for the FRN line item ID as megabits per second (Mbps).	30%
Firewall Included	When the selected service type is services, indicates if firewall services are included in the FRN line item ID.	30%
Network Equipment Type	When the selected service type is services with new construction or self-provisioned network, this is the network equipment type for the FRN line item ID.	1%
Network Equipment Make/ Model	When the selected service type is services with new construction or self-provisioned network, this is the network equipment make and model for the FRN line item ID.	1%
Monthly Recurring Unit Cost	Monthly recurring costs per unit for the FRN line item ID.	100%
Monthly Quantity	Unit quantity for the FRN line item ID monthly recurring costs.	100%
Line Item ID Months of Service	Number of months of service entered for the FRN line item ID.	100%
Line Total Recurring Costs	Total monthly recurring charges for the FRN line item ID.	100%
One-time Unit Cost	One-time costs per unit for the FRN line item ID.	100%
One-time Unit Quantity	Unit quantity for the one-time costs for the FRN line item ID.	100%
Line Total One-time Costs	Total one-time charges for the FRN line item ID.	100%
Line Total Cost	Total costs for the FRN line item ID.	100%