

FiberLocator Release Notes

September 2, 2025



Release Note

Version	Release Date	Release Title
September 2025	9/2/2025	Distance Report Enhancement with BDC

Summary of Changes

Addition of FCC National Broadband Map data as an option in the FiberLocator Fiber Distance Report
--

Application Features

The FCC National Broadband Map is an interactive tool created by the Federal Communications Commission to show the availability of internet service across the United States. It displays data reported by internet service providers (ISPs), including where broadband is and isn't offered, at what speeds, and by which providers. The map helps identify gaps in coverage and supports federal funding decisions to expand high-speed internet access.
--

This release replaces the FCC Form 477 data with the more accurate, up-to-date, and detailed Broadband Data Collection (BDC), which is the reporting system that underlies the National Broadband Map.
--

Here is an overview of the changes:

Feature	FCC Form 477	FCC BDC
Geographic Unit	Census blocks	Location-level (i.e. addresses)
Mapping Accuracy	Overstates coverage – entire block serviced if one location	High – shows exact serviceable location (BSL)
Data Collected	Fixed broadband, Mobile	Same w/greater detail
Frequency	Biannual (ended 2022)	Biannual
Speed Tiers	General speed categories	Detailed speed, latency and technology type
Validation and Challenge Process	None, limited auditing	Yes, ISPs penalty of law certify

The BDC data is location specific, with more detailed data. FiberLocator's update is also current as of the latest BDC June 2025 data set. Lastly, it has a robust and enforced validation process which assures that the submitted data is reliable.

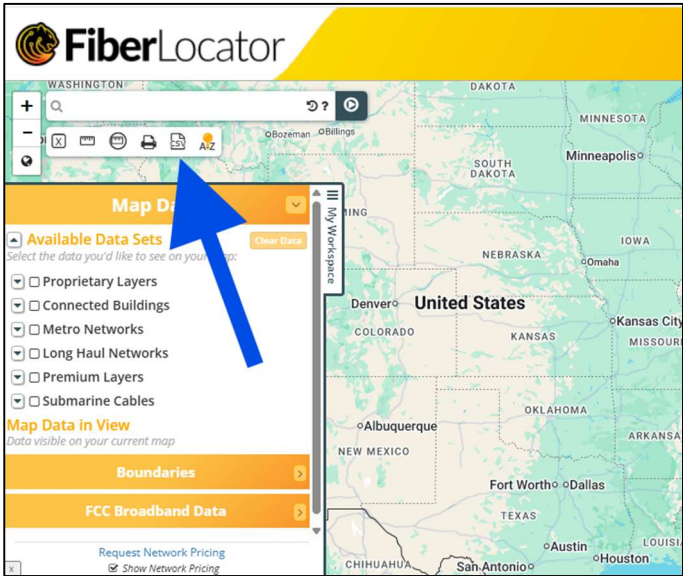
LATA and LEC Support

The Distance Report API can also now provide the LATA (Local Access and Transport Area) geographic region (name and #) and nearest LEC for the locations submitted.

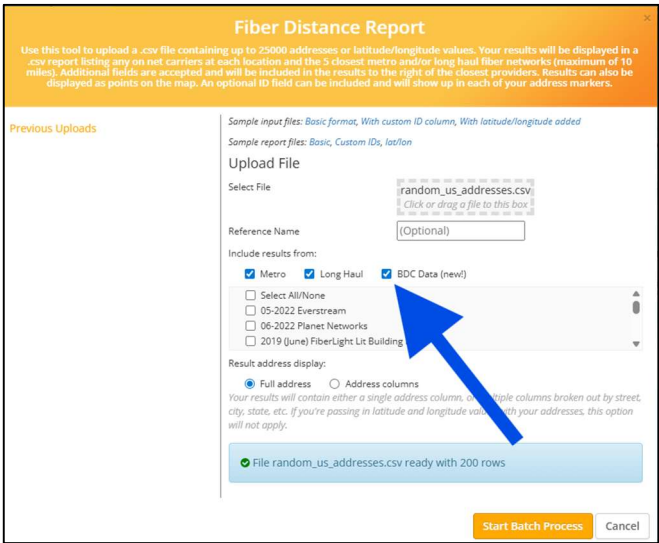
BDC Fiber Distance Report Feature

To run the Fiber Distance Report, select the icon on the toolbar.

The Fiber Distance Report allows a user to submit multiple addresses or lat/long values and get a CSV report that will be able to determine if the building is lit by any of the providers in our database as well as the 5 closest fiber providers and their distance to each address in feet/meters.



There is a new BDC option which will provide a list of fixed broadband carriers for each location in a separate column.



Sample report output, new BDC data in last column of CSV file.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
id	address	original address	match type	latitude	longitude	lit building	provider 1	distance 1	provider 2	distance 2	provider 3	distance 3	provider 4	distance 4	provider 5	distance 5	bdc providers					
1	110 Pheas 110 pheas ROOFTOP	39.09597	-77.5816				Verizon Bt	39	Windstrea	213	LIT Netwoi	429	Segra	895	NOVEC	913	AT&T Inc., Comcast Corporation, Hughes Network					
2	1600 Penn 1600 Penn ROOFTOP	38.89489	-77.0372				AI Net	115	Crown Cat	115	Zayo	191	FiberLight	194	Windstrea	199	AT&T Inc., Allied Telecom Group, LLC, Atlantech Or					
3	8340 Smit 8340 Smit RANGE_IN	39.16362	-84.4543				Uniti Fiber	4	Windstrea	5	Zayo	11	Altafiber	71	Lumen	129	AT&T Inc., Charter Communications, Cincinnati Be					
4	258 S 11th 258 S 11th ROOFTOP	39.946929	-75.1995				Verizon Bt	Everstrear	14	Crown Cat	16	Windstrea	16	Breezeline	18	Uniti Fiber	20	AT&T Inc., Andrena, Inc., Comcast Corporation, Hu				
5	6501 Red 6501 Red f ROOFTOP	18.31842	-64.8658														ATN International, Inc., Hughes Network Systems,					
6	4900 18th 4900 18th RANGE_IN	37.76041	-122.443				Astound	16	Crown Cat	17	AT&T	24	Comcast	153	Extenet Sy	169	AT&T Inc., California Internet, Comcast Corporatio					
7	9700 E 7th 9700 E 7th RANGE_IN	30.25245	-97.6961				FiberLight	8	IEN TC Tele	9	Crown Cat	12	Windstrea	14	Logix Fibe	25	AT&T Inc., Charter Communications, Google LLC, H					
8	1500 NE 1 1500 NE 1 RANGE_IN	25.78949	-80.1923				Windstrea	2	NuVox	2	Uniti Fiber	2	AT&T	49	Breezeline	49	AT&T Inc., Cogeco Cable Holdings II Inc., Comcast					
9	100 W 2nd 100 W 2nd ROOFTOP	39.5265	-119.815				Uniti Fiber	11	LS Networ	72	Arelion	95	Windstrea	102	AT&T	108	AT&T Inc., ATN International, Inc., Charter Commu					
10	3100 Main 3100 Main RANGE_IN	41.79396	-72.6647				Windstrea	4	Crown Cat	12	Nutmeg N	12	Breezeline	36	Frontier Ci	112	AT&T Inc., Comcast Corporation, Frontier Commu					
11	1300 W 3rd 1300 W 3rd ROOFTOP	41.50065	-81.6976				Zayo	19	Everstrear	23	Crown Cat	28	Windstrea	46	AT&T	64	AT&T Inc., Charter Communications, Cincinnati Be					

New DR API Feature

The following are some representative examples of the new BDC functionality enabled in the distance report API endpoints. An additional option is also to include the H3 grid identifier for the results. For a complete list of features and parameters, please refer to the updated API guide.

DISTANCE REPORT GUIDE		https://app.fiberlocator.com/doc/api.html#fiber-distance-reports	
Fiber Distance Report	POST	Use this report to retrieve fiber distance information for a collection of locations. You may upload a delimited text (.csv), Excel (.xlsx) or GeoJSON file containing one or more addresses or latitude/longitude pairs, and receive a report with fiber distance information for each location. When you submit a distance report request using this endpoint, it is processed asynchronously. When you submit your request you'll get a JSON response that will include a URL to retrieve the current status of your request. When your job is complete, the status will change and you'll see a set of URLs to retrieve your report in those formats. That report will remain available so you can retrieve it at different times or in multiple formats, if desired.	{token}/report/distance

Parameters

Name	In	Type	Required	Description
include_bdc	query	boolean	false	Include FCC Broadband Data Collection data, including carriers providing service at each location.
include_h3	query	boolean	false	Include H3 Hex Grid identifiers for each location (resolution 8).
include_lec	query	boolean	false	Include the nearest local exchange carrier
include_lata	query	boolean	false	Include the nearest local exchange carrier (LEC) data, including address, lata and name, regardless of how far away it is

Example: Processing

```
{
  "status": "ok",
  "result": {
    "status": "accepted",
    "detail": "job accepted for processing",
    "timestamp": "2025-07-28T17:59:04.432762",
    "statusUrl": "https://app.fiberlocator.com/rest/{token}/report/distance/{uuid}/status"
  }
}
```

DISTANCE REPORT PROCESS			
Fiber Distance Report Status	GET	When your distance report job is processing, you can use this endpoint to check its status. The 'status' property will start as 'accepted', proceed to 'in-progress' and finally to 'complete'. If there is some sort of error, it will be reported here. <i>Note:</i> This endpoint is useless without having first submitted a request using the POST above, which will return a valid URL in its initial response, corresponding to this endpoint. <i>Another Note:</i> This endpoint does not return the report itself. When your job is complete, the response will include a URL to download the report file(s).	/report/distance/{uuid}/status
Fiber Distance Report Result	GET	Once your distance report job is complete, you can use this endpoint to download the report file in your desired format. The available formats are comma-delimited text (.csv), Excel (.xlsx), and GeoJSON (.geojson).	/report/distance/{uuid}/result.{output_format}

Example CSV Output

4,"1600 Pennsylvania Avenue NW, Washington, DC 20500, USA","1600 Pennsylvania Avenue NW, Washington, DC 20500.",ROOFTOP,38.8948949,-77.0371581,,AiNet,115,Crown Castle,115,Zayo,191,FiberLight,194,Windstream,199,"AT&T Inc., Allied Telecom Group, LLC, Atlantech Online, Inc., Cogent Communications Group, Comcast Corporation, District of Columbia Government/Office of the Chief Technology Officer, Fusion Connect, Inc., Hughes Network Systems, LLC, Radiate Holdings, LP, Space Exploration Technologies Corp., Starry, Inc., T-Mobile USA, Inc., Verizon Communications Inc., Viasat, Inc., Zayo Group, LLC"

Example GeoJSON Output

```
{
  "type": "Feature",
  "properties": {
    "address": "1600 Pennsylvania Avenue NW, Washington, DC 20500.",
    "id": "2",
    "full_address": "1600 Pennsylvania Avenue NW, Washington, DC 20500, USA",
    "street": "1600 Pennsylvania Avenue Northwest",
    "city": "Washington",
    "state": "District of Columbia",
    "postal": "20500",
    "country": "United States",
    "location_type": "ROOFTOP",
    "bbox": [
      -77.03854828029151,
      38.89366611970851,
      -77.0358503197085,
      38.89636408029151
    ],
    "nearest": [
      {
```

```

        "layer_name": "metro_ainet",
        "carrier_name": "AiNet",
        "distance": 115
    },
    {
        "layer_name": "metro_crown_castle",
        "carrier_name": "Crown Castle",
        "distance": 115
    },
    {
        "layer_name": "_zayometro",
        "carrier_name": "Zayo",
        "distance": 191
    },
],
"bdc": {
    "providers": [
        "Comcast Corporation",
        "Radiate Holdings, LP",
        "Cogent Communications Group",
        "Allied Telecom Group, LLC",
        "Zayo Group, LLC",
        "Atlantech Online, Inc.",
        "Fusion Connect, Inc.",
        "District of Columbia Government/Office of the Chief Technology Officer",
        "Verizon Communications Inc.",
        "Hughes Network Systems, LLC",
        "Viasat, Inc.",
        "Space Exploration Technologies Corp.",
        "AT&T Inc.",
        "T-Mobile USA, Inc.",
        "Starry, Inc."
    ],
    "technologies": [
        "Cable",
        "Fiber to the Premises",
        "GSO Satellite",
        "NGSO Satellite",
        "Licensed Fixed Wireless",
        "Copper"
    ],
    "max_down_speed": 10000,
    "max_up_speed": 10000,
    "h3": "882aa845a1ffff"
},
"geometry": {
    "type": "Point",
    "coordinates": [
        -77.0371581,
        38.8948949
    ]
}
},
},

```

Existing DR API Feature

Existing Distance Report functionality to get PNG map is still available.

DISTANCE REPORT		https://app.fiberlocator.com/doc/api.html?shell#fiber-distance-report	
fiber distance report (PNG)	GET	Search for an address and return the 5 nearest fiber network carriers to it, and include any carriers already providing service at the given address. If the map parameter is not included or set true, this endpoint also returns two URLs. The first is to retrieve a static PNG map of the location including any fiber networks in the vicinity, and the second is for a static PNG legend image.	/info/distance/{address} /info/map/{maptoken} /info/legend/{maptoken}

Feedback — Have an idea or feature request? Let us know! —

Contact John Ko jko@ccmi.com

Archive

Version	Date	Release Title / Link
July 2024	7/9/2024	API Changes here
Oct 2023	10/6/2023	Lit Building, Boundary Update, datacenterHawk Integration here