

CSV and GIS Technical Guidelines

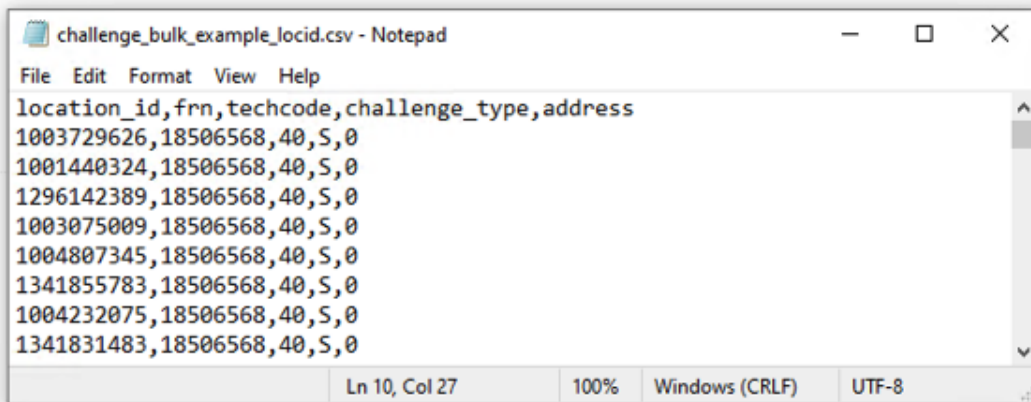
& examples for Provider Challenge Data Portal (v.2023.01)

To submit multiple addresses in one challenge, ensure your CSV (comma-separated values) file adheres to the format outlined below. Proper formatting is crucial; deviations will lead to a 'Rejected Address' status. For detailed guidance, see the information provided below.

CSV Standards

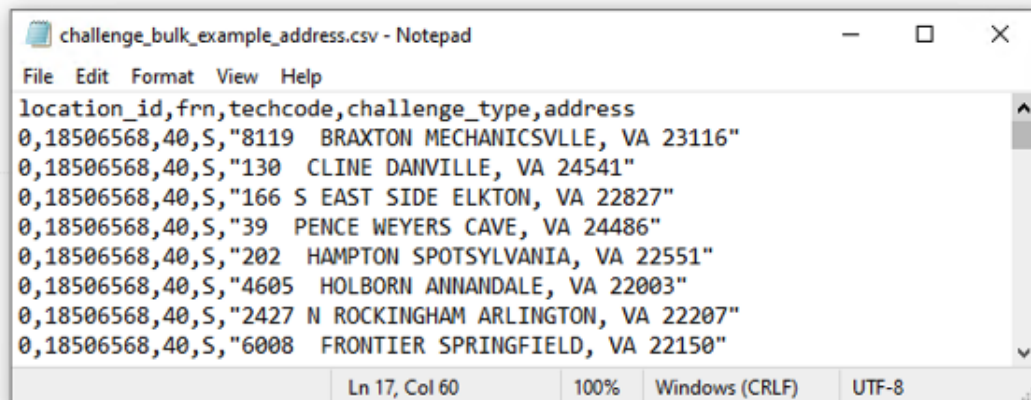
When viewed in Notepad or similar text editors, your CSV file should resemble the examples given below. The required headers/fields are: **location_id**, **frn**, **techcode**, **challenge_type**, and **address**. The address field is optional if you are unable to provide the **location_id**. Please use a '0' for **location_id** if using **address**.

Image 1: Sample CSV featuring the FCC's Fabric Location IDs (Preferred) with **address** left either blank or **0**.



```
challenge_bulk_example_locid.csv - Notepad
File Edit Format View Help
location_id,frn,techcode,challenge_type,address
1003729626,18506568,40,S,0
1001440324,18506568,40,S,0
1296142389,18506568,40,S,0
1003075009,18506568,40,S,0
1004807345,18506568,40,S,0
1341855783,18506568,40,S,0
1004232075,18506568,40,S,0
1341831483,18506568,40,S,0
Ln 10, Col 27    100%    Windows (CRLF)    UTF-8
```

Image 2: Sample CSV featuring no **location_id**, but with full addresses.



```
challenge_bulk_example_address.csv - Notepad
File Edit Format View Help
location_id,frn,techcode,challenge_type,address
0,18506568,40,S,"8119 BRAXTON MECHANICSVLLE, VA 23116"
0,18506568,40,S,"130 CLINE DANVILLE, VA 24541"
0,18506568,40,S,"166 S EAST SIDE ELKTON, VA 22827"
0,18506568,40,S,"39 PENCE WEYERS CAVE, VA 24486"
0,18506568,40,S,"202 HAMPTON SPOTSYLVANIA, VA 22551"
0,18506568,40,S,"4605 HOLBORN ANNANDALE, VA 22003"
0,18506568,40,S,"2427 N ROCKINGHAM ARLINGTON, VA 22207"
0,18506568,40,S,"6008 FRONTIER SPRINGFIELD, VA 22150"
Ln 17, Col 60    100%    Windows (CRLF)    UTF-8
```

All full addresses **MUST** be in quotations “ ”, otherwise the matching will result in a **Rejected-Bad Address** status and your challenge will **NOT** be valid.

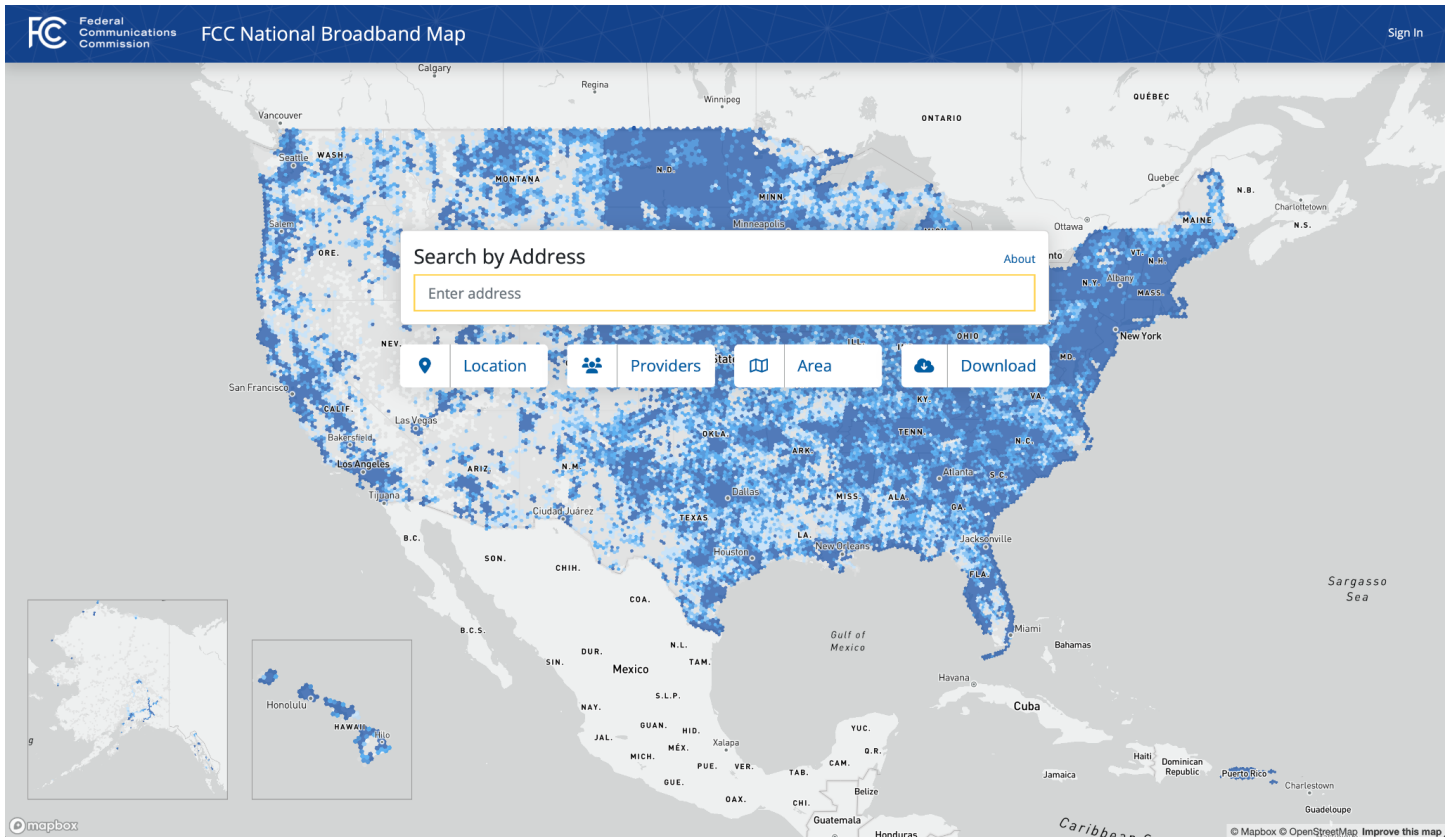
Entries using addresses are required to align with the FCC's Fabric Location ID. However, this method doesn't ensure complete accuracy, as some addresses might be omitted during the matching phase. For optimal compatibility, **we advise using the FCC's Fabric Location ID**.

Table 1: Fields in Provider Submitted Data for .csv or polygon/shapefile submission.

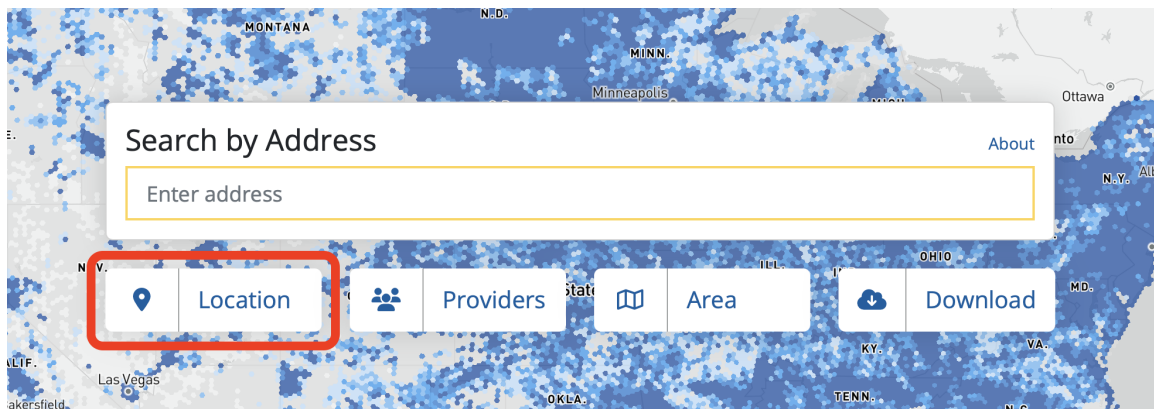
Column Name	Format	Example	Description and Code Key
location_id	Numeric / Integer	123456	FCC's Fabric Location ID
frn	Numeric / Integer	12345678	FRN code used during FCC data submission
techcode	Numeric / Integer	10	<p>Broadband Connection Type</p> <p>Code for the technology used for the specific type of internet service.</p> <p>10 = Asymmetrical xDSL 20 = Symmetric xDSL 30 = Other Copper Wireline 40 = Cable Modem 50 = Optical Carrier / Fiber to the end user 60 = Satellite 71 = Licensed Terrestrial Fixed Wireless 83 = (Mobile Only) 4G/LTE 89 = (Mobile Only) 5G 90 = Electrical Power Line 0 = All Other</p>
challenge_type	String / Text	A	<p>Indicates the type of challenge</p> <p>A = Availability S = Speed L = Latency D = Data Cap T = Technology B = Business service only E = Enforceable Commitment P = Planned service N = Not part of enforceable commitment C = Location is a CAI [Community Anchor Institution] R = Location is NOT a CAI</p>
address (Optional)	String / Text	123 Main St. APT 4, Blacksburg, VA, 24060	Complete address (number, street, suffix, city, ST, and zip code).

How to quickly look up FCC's Location ID

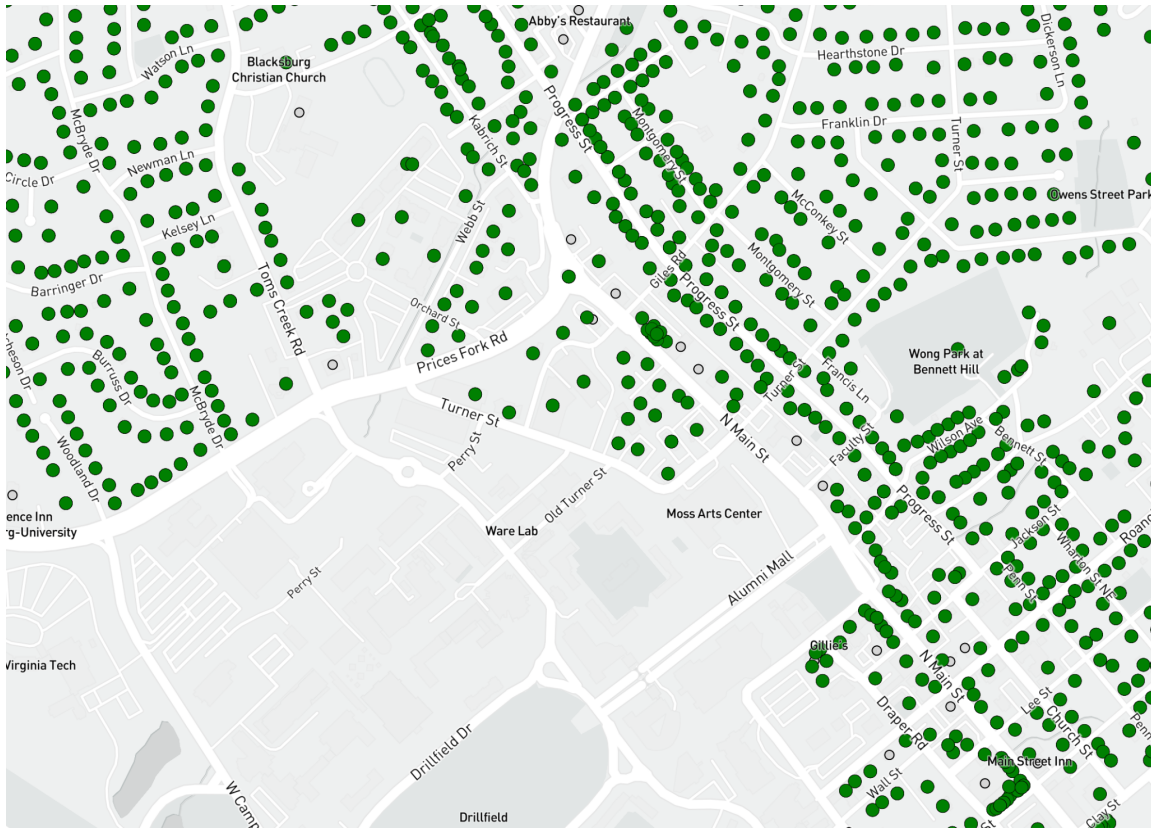
Visit <https://broadbandmap.fcc.gov/home>



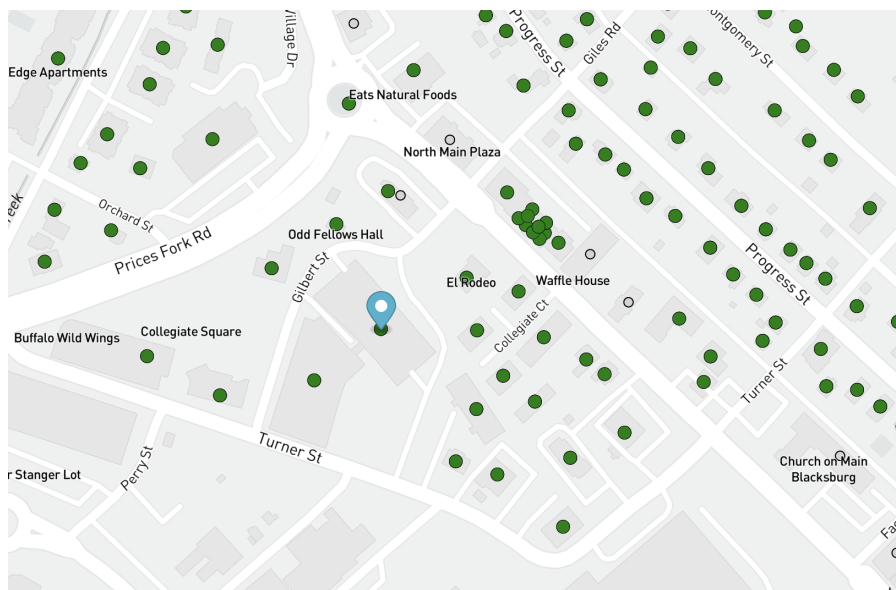
Select "location" option



Zoom into map until it resolves into specific point/location



Click on a location



Click on "Location Challenge" in top right in the right column

Fixed Broadband | Mobile Broadband

Selected Location i

215 GILBERT ST
BLACKSBURG, VA 24060

Status: Served | Residential | Unit Count: 1

Broadband ⚙️

Type	Residential
Technology	Any Technology
Speed	25/3 Mbps or greater
Data As Of	Dec 31, 2022 (Last Updated: 8/29/23)

Location Challenge

"Location ID" will be in top left of popup window under address

Location Challenge

215 GILBERT ST BLACKSBURG, VA 24060

Location ID	Building Type	Unit Count
1296024244	Residential	1

All fields required unless marked optional.

Contact

Name