

FCC providers list

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We have multiple sources from FCC to define a provider.

- Two are coming from the Broadband Data Collection:
 - The first one from [FCC](#), accessed the 26-04-2024
 - The second is coming from our pipelines of NBM (June 2023 release)
- One is coming from the Emergency Broadband Benefit¹ and can be downloaded [here](#) (accessed the 26-04-2024)

Tip

- [cori.data.fcc](#) is a small R package that contains providers data and is used here
- Data is downloadable using the download button

What does this data look like?

Broadband Data Collection versions:

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`FCC_provider` has 4 341 rows and 5 columns.

Those columns are:

- `Provider.Name` : Same than Brand Name?
- `Affiliation` : Same number than `Provider.ID`

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Type

Nb.

ILEC	972
Non-ILEC	3484

- **Operation.Type** : Only two options “ILEC” or “Non-ILEC”
- **FRN** : **FCC Registration Number**; “number of the entity that submitted the data”. It is supposed to be a string of 10 characters (with padding 0). Slightly more number than **Provider.Name** and seems to be the primary key.
- **Provider.ID** : An ID for **Affiliations**

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Show entries

Search:

provider_name	affiliation	operation_type	frn	provider_id
@Link Services, LLC	AtLink Services, LLC	Non-ILEC	0016085920	290004
1 Point Communications	1 Point Communications	Non-ILEC	0021352968	270002
101Netlink	101Netlink	Non-ILEC	0018247254	190002
123.Net, Inc	123.Net, Inc.	Non-ILEC	0008590846	460000
1Path Managed Services, LLC	1Path Managed Services, LLC	Non-ILEC	0034347336	490000
1stel, Inc	1stel, Inc.	Non-ILEC	0008181448	190003
1stPoint Communications, LLC	Hammer Technology Holdings	Non-ILEC	0021882451	220024
207 Broadband	207 Broadband	Non-ILEC	0027249895	410130
2125 Cable Company, LLC - dba Sunrise Communications, LLC	Sunrise Communications, LLC	Non-ILEC	0016876096	420122
24-7 Telcom, Inc.	West Wisconsin Telcom Cooperative, Inc.	Non-ILEC	0003774429	131467

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EDA / Analysis

How many unique values do we have per column:

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Count of unique values / columns

		Count of unique values
provider_name		4435
affiliation		3619
operation_type		2
frn		4456
provider_id		3619

We can confirm that:

- **FRN** here is unique for every row in this data set (our primary key)
- We have a bit less **Provider.Name** (4321 / 4341) than **FRN**
- We have the same number of **Affiliations** and **Provider.ID**
- The number of **Provider.ID / Affiliations** is smaller than FRN.

A quick check indicate that all **Provider.ID** are 6 characters. **FRN** is also always 10 characters.

Hence the one with 7 characters in FCC NBM is probably an error.

What are the Provider Name that are sharing multiple **FRN**:

We probably have cases where companies have same name (“Farmers Mutual Telephone company”) but we have probably company that have multiple FRN (“Grand Mound Cooperative Telephone Association”). Granted the low numbers I think we are fair to assume it does not matter to much.

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Show entries

Search:

provider_name	FRN
Bristol Bay Cellular Partnership	0001568898, 0003737699
Cable Co-op	0002934974, 0003787991
Cambridge Telephone Company	0002393544, 0003720984

Consolidated Telephone Company	0003742467, 0004961231
Farmers Mutual Telephone Company	0003722790, 0003739075, 0005093224
Farmers Telephone Company	0003722824, 0003781556
Gigabeam Internet, LLC	0018537290, 0026832444
Grand Mound Cooperative Telephone Association	0003748084, 0032809766
Home Telephone Company	0003773777, 0024113623
Information Transport Solutions, Inc.	0008146201, 0011585528

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How FRN are split between **Affiliations** / **Provider.ID**?

As expected most of of the relations FRN / provider are one to one (3135) while 387 have more than one FRN.

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Affiliation per FRN

Number of Affiliations / FRN	Count
1	3226
2	259
3	66
4	29
5	8
6	8
7	3
8	2
10+	15

You can explore those 387 affiliations here:

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Show entries

Search:

Affiliations	count_frn
Windstream Holdings, Inc.	54
Otelco Inc.	19

LICT Corporation	18
Oregon Telephone Corporation	17
Arvig Enterprises, Inc.	16
American Broadband Holding Company	14
Wilkes Telephone Membership Corporation	14
Hilliary Communications, LLC	13
Mediacom Communications Corp.	13
Verizon Communications Inc.	13

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Data set with mail address and phone numbers

This data set is one that is coming from the ACP program.

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Search:

Broadband.Provider.Name	DBA.Name	Holding.Company	Consumer.Support.Phone.Num
T-Mobile USA, Inc.		Deutsche Telekom AG	1-800-937-8997
Maxsip Telecom Corporation			1-866-629-7471
Conexon Connect LLC		Conexon, LLC	(202) 798-3884

Torch Wireless

1-877-998-6674

North American Local, LLC

8882473903

Tone Communication Services
LLC

8005158182

Cintex Wireless, LLC

800-931-0141

Dailytel Inc.

883-999-0427

Viasat, Inc.

Viasat

Viasat, Inc.

855-463-9333

Excess Telecom, Inc.

800-615-0898

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Footnotes

1. The Emergency Broadband Benefit is the precursor of the Affordable Connectivity Program, source: <https://www.fcc.gov/broadbandbenefit> ↗

