



PUBLIC NOTICE

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DATA REQUESTED IN *SPECIAL ACCESS NPRM*

WC Docket No. 05-25, RM-10593

In this Public Notice, we invite the public to submit data voluntarily to assist the Commission in evaluating the various issues that have been raised in the *Special Access NPRM*.¹ In that NPRM, the Commission explained that an examination of the current state of competition for special access facilities is critical to determine whether the Commission's pricing flexibility rules have worked as intended.² In addition, the Commission sought comment on appropriate measures to ensure that price cap rates for special access services remain just and reasonable after expiration of the CALLS plan.³ Subsequently, the Commission sought updated information on these issues, and the parties continue to provide their views to Commission staff.⁴

On November 5, 2009, the Commission released a Public Notice inviting comment on the appropriate analytical framework for determining whether the current rules are working.⁵ The National Broadband Plan recommended that this framework ensure that rates, terms and conditions for special access are just and reasonable, given the significant role special access circuits play in the availability and pricing of broadband service.⁶ Although the Commission has yet to adopt an analytical framework, there are certain data that would need to be reviewed regardless of which analytical framework is adopted in

¹ See generally *Special Access Rates for Price Cap Local Exchange Carriers*, WC Docket No. 05-25, *AT&T Corp. Petition for Rulemaking to Reform Regulation of Incumbent Local Exchange Carrier Rates for Interstate Special Access Services*, RM-10593, Order and Notice of Proposed Rulemaking, 20 FCC Rcd 1994 (2005) (*Special Access NPRM*); 47 C.F.R. §§ 1.415, 1.419 (submitting comments and replies in rulemaking proceedings).

² *Special Access NPRM*, 20 FCC Rcd at 2018-19, paras. 71-73. The Commission invited comment on whether the available data and actual marketplace developments support the predictive judgments that underlie the special access pricing flexibility rules. *Id.* at 1996, 2018-19, paras. 5, 71.

³ *Id.* at 1995, 2004, paras. 2, 22.

⁴ *Parties Asked to Refresh Record in the Special Access Notice of Proposed Rulemaking*, WC Docket No. 05-25, Public Notice, 22 FCC Rcd 13352 (2007).

⁵ *Parties Asked to Comment on Analytical Framework Necessary to Resolve Issues in the Special Access NPRM*, WC Docket No. 05-25, Public Notice, 24 FCC Rcd 13639 (2009).

⁶ Omnibus Broadband Initiative, Federal Communications Commission, *Connecting America: The National Broadband Plan*, at 48 (2010), available at <http://download.broadband.gov/plan/national-broadband-plan.pdf> (National Broadband Plan).

this proceeding. Accordingly, at this time, the Commission asks the public to voluntarily submit the facilities data requested in this Public Notice for this proceeding.⁷

If the public submits data that contain confidential and proprietary information, it shall submit such data in accordance with a revised protective order that is being released at the same time as this Public Notice, as discussed in more detail below.⁸ As it continues developing its analytical framework, the Commission plans to ask for additional voluntary submissions of data in a second public notice.

The data collected under this public notice will not be made immediately available to the public to allow staff time to perform an initial review for completeness and responsiveness. As indicated above, there will be a second data request. Data from both collections will be available for inspection pursuant to applicable protective orders following our receipt of data responsive to that second request.

The Commission requests that the public voluntarily submit the requested data in response to this Public Notice on or before January 27, 2011. Responses to this data request may be filed on a rolling basis.

I. Definitions for this data request:

1. A **connection** is a wired “line” or wireless “channel” that provides to an **end user** or seller of CMRS a dedicated communication path between a **provider’s** network (*e.g.*, an end office or similar point of aggregation) and a **location**. Multiple dedicated communication paths serving one or more end users at the same location using the same wired line or wireless channel should be counted as a single connection. For purposes of this request, wired lines and wireless channels used to provide dedicated communications paths within and between providers’ networks are not considered connections (*e.g.*, connections between the point of presence of an interexchange carrier and LEC wire center or connections between LEC wire centers).
2. An **end user** is a business, institutional, or government entity that purchases a dedicated communications path for its own use (*i.e.*, not for resale). Carriers are not end users with the exception that CMRS providers are considered end users to the extent they are purchasing dedicated communications to a cell site.
3. **Listed Statistical Area** means the geographic extent of the metropolitan, micropolitan or combined statistical area as defined in OMB Bulletin No. 10-02 issued on December 1, 2009 listed in Attachment C.⁹

⁷ In this Public Notice, we seek facts or opinions submitted in response to our general solicitation of comments from the public. No person is required to supply specific information pertaining to the commenter, other than that necessary for self-identification, as a condition of our full consideration of the comment. Thus, this Public Notice does not seek “information” as the term is used in the Paperwork Reduction Act of 1995. *See* 5 C.F.R. §1320.3(h)(4); *see also* Paperwork Reduction Act of 1995, Pub. L. No. 104-13, 109 Stat. 163.

⁸ *See In the Matter of Special Access Rates for Price Cap Local Exchange Carriers*, Modified Protective Order, WC Docket No. 05-25, RM 10593, DA 10-2075 (rel. Oct. 28, 2010) (*Modified First Protective Order*). We issued a protective order in connection with this proceeding in 2005. *See In the Matter of Special Access Rates for Price Cap Local Exchange Carriers*, Order, WC Docket No. 05-25, 20 FCC Rcd 10160 (2005) (*First Protective Order*). However, the protective order we release today supercedes the *First Protective Order*.

⁹ *See* OFFICE OF MANAGEMENT AND BUDGET, BULLETIN NO. 10-02, UPDATES OF STATISTICAL AREA DEFINITIONS AND GUIDANCE ON THEIR USES (2009), available at <http://www.whitehouse.gov/omb/assets/bulletins/b10-02.pdf>.

4. **Location** means a building, other free-standing site, cell site on a building, or free-standing cell site.
5. **Provider** means any entity that supplies electronic communications services, including voice, data and/or video services. Providers include incumbent LECs, competitive LECs, interexchange carriers, cable operators and companies that provide fixed wireless communications services.
6. **Span** means lengths of fiber with terminating equipment at both ends.

II. Instructions

1. Responses to questions III.B, III.C, and III.E are data specifications and should be *prepared* pursuant to the instructions provided at the end of each table in Attachments A and B.
2. Templates for responses to the data specification questions are available at <http://www.fcc.gov/wcb/ppd/template.xls>. The link for each template is also provided in each data specification question.
3. Data specifications should be *submitted* in accordance with these instructions, as well as the general instructions provided at the end of this Public Notice.
4. Data specification questions shall be submitted in electronic form only, preferably CDs. Please contact the Pricing Policy Division staff members listed in this Public Notice if you would like to submit an electronic medium other than a CD.
5. For data specification submissions, label each CD or other electronic media device submitted, and on that label, please provide your name and the content of the electronic media device (*e.g.*, Acme Corporation response to Special Access NPRM Data Request I Question III.A.1).
6. Responses to questions III.A, III.D, and III.F. should be prepared as narratives, separately from the data specification submissions described above, and submitted in accordance with the instructions in this Public Notice below:
7. With each submission, whether it is for a data specification or a narrative question, provide an accompanying cover letter that: (a) identifies the type of submission (data specification, narrative or both); (b) identifies each response by question number (*e.g.*, we are submitting a response to Question III.1.A in this submission); and (c) indicates whether the materials are a partial or full response to the data request.
8. Unless otherwise specified, each request is for data as of December 31, 2009.

III. Voluntary Information Request

- A. For each Listed Statistical Area, we request that all providers other than incumbent LECs (*e.g.*, competitive LECs, out-of-region incumbent LECs, cable companies, fixed wireless, etc.) state whether their company has any connections that it owns or that it leases from another entity under an indefeasible right of use (IRU) agreement.
- B. We request that all providers other than incumbent LECs (*e.g.*, competitive LECs, out-of-region incumbent LECs, cable companies, fixed wireless, etc.) submit data to respond to the following questions:
 1. For each location in each Listed Statistical Area to which your company provides a connection that you own or that you lease from another entity under an indefeasible right of use (IRU) agreement, provide the following information below. Please use the template available at <http://www.fcc.gov/wcb/ppd/template.xls> for your response, using the data elements identified in Table III.B.1 of Attachment A, and consistent with that table's instructions.

- a) The associated name of the carrier that actually owns the connections (if leased from another entity subject to an IRU);
 - b) The number of years left in the IRU lease (if applicable);
 - c) The actual situs address for the location (*i.e.*, land where the building or cell site is located);
 - d) The geocode for the location (*i.e.*, latitude and longitude);
 - e) The Common Language Location Identifier code (“CLLI”) of the incumbent LEC wire center that serves the location;
 - f) Whether the location is a building, other free-standing site, cell site in or on a building, or free-standing cell site;
 - g) Type of medium used to provision the connection to the location (*e.g.*, fiber, copper, hybrid fiber coax, fixed wireless/satellite);
 - h) If the medium is fiber, the number of strands of lit fiber;
 - i) If the medium is fiber, the number of strands of unlit fiber;
 - j) Total capacity¹⁰ (upstream and downstream) of the connection as sold;
 - k) Maximum total capacity (upstream and downstream) of the connection with current hardware and line cards.¹¹
2. For each incumbent LEC wire center where your company is collocated in each Listed Statistical Area, provide the actual situs address, the geocode, and the CLLI code for the incumbent LEC wire center. Please use the template available at <http://www.fcc.gov/wcb/ppd/template.xls> for your response, following the instructions and using the data elements identified in Table III.B.2 of Attachment A.
 3. For each Listed Statistical Area in which your company owns fiber or your company leases fiber from another entity under an IRU agreement, provide a map of the routes followed by fiber that constitute your network. Also, provide a map of the routes followed by fiber connecting your network to end-user locations. Please follow the instructions and use the data elements identified in Tables III.B.3(i) and III.B.3(ii) of Attachment A for your response.

C. We request that all CMRS providers, for each cell site in each Listed Statistical Area, provide the information below. Please use the template available at <http://www.fcc.gov/wcb/ppd/template.xls> for your response, using the data elements identified in Table III.C. of Attachment A, and consistent with that table’s instructions.

1. The actual situs address for the cell site (*i.e.*, land where the cell site is located) if the cell site is located in or on a building;
2. The geocode for the cell site (*i.e.*, latitude and longitude);
3. The CLLI code of the incumbent LEC wire center that serves the location;
4. Whether the location is a cell site in or on a building, or a free-standing cell site;
5. The name of the carrier that provides your connection to the cell site.

¹⁰ <1.5 Mbps; ≥1.5 to < 20 Mbps; ≥20 to < 95 Mbps; ≥95 Mbps.

¹¹ *Id.*

- D. We request that all providers other than incumbent LECs (*e.g.*, competitive LECs, out-of-region incumbent LECs, cable companies, fixed wireless, etc.) answer the following questions pursuant to the Instructions in Section II of this Public Notice:
1. Explain the business rule that you use to determine whether to build a channel termination to a particular location. Please enumerate all underlying assumptions.
 2. Please describe reasons why even if your business rule suggests that it would make sense to build, you would not, *e.g.*, inability to access building, issues with rights of way, inability to obtain capital, issues of timing.
- E. We request that all incumbent LECs answer the questions below. In your response, please use the template available at <http://www.fcc.gov/wcb/ppd/template.xls>, following the instructions and using the data elements identified in Table III.E of Attachment B.
1. For each wire center in each Listed Statistical Area, please provide the number of connections that you own or that you lease from another entity under an IRU agreement:
 - a. In total;
 - b. By the type of medium used to provision the connection to the location (*e.g.*, fiber, copper, hybrid fiber coax, fixed wireless/satellite);
 - c. For each medium listed above, by the maximum total capacity (upstream plus downstream) of these connections with the current hardware and line cards;
 - d. For each medium listed in III.E.1.b by the total capacity sold (upstream plus downstream) of these connections with the current hardware and linecards.
 2. For each wire center in each Listed Statistical Area, for the fiber connections that you own or that you lease from another entity under an IRU agreement, please provide the number of lit and unlit fibers.
 3. For each wire center in each Listed Statistical Area, provide the number of locations to which you have connections that you own or that you lease from another entity under an IRU agreement by type of location (*e.g.*, building, other free-standing site, cell site in or on building, or free-standing cell site).
- F. We seek comment from the public on the quality, utility, and clarity of this data request.

Comments may be filed using: (1) the Commission's Electronic Comment Filing System (ECFS); (2) the Federal Government's eRulemaking Portal; or (3) by filing paper copies.¹² All comments should reference **WC Docket No. 05-25 and RM-10593**. The public should also send a copy of their comment (or cover letter, in the case of submissions of electronic media) to the Pricing Policy Division, Wireline Competition Bureau, Federal Communications Commission, 445 12th Street, SW, Washington, DC 20554, to the attention of Marvin Sacks or e-mail him at Marvin.Sacks@fcc.gov.

Please submit any responses that contain Confidential Information in accordance with the *Modified First Protective Order*, which is being issued concurrently with this Public Notice.¹³ We also recommend that all electronic media, such as CDs, be delivered by hand or via messenger, as described in more detail below. If hand- or messenger-delivery of electronic media is not possible, please call Marvin Sacks or Betsy McIntyre at 202-418-1520 to ensure proper handling of your materials.

¹² See *Electronic Filing of Documents in Rulemaking Proceedings*, GC Docket No. 97-113, Report and Order, 13 FCC Rcd 11322 (1998).

¹³ See generally *Modified First Protective Order*, DA 10-2075, *supra* Note 8.

- Electronic Filers: Comments may be filed electronically using the Internet by accessing the ECFS: <http://fallfoss.fcc.gov/ecfs2/> or the Federal eRulemaking Portal: <http://www.regulations.gov>.
- Paper Filers: Parties who choose to file by paper must file an original and four copies of each filing. If more than one docket or rulemaking number appears in the caption of this proceeding, filers must submit two additional copies for each additional docket or rulemaking number.
- Filings can be sent by hand or messenger delivery, by commercial overnight courier, or by first-class or overnight U.S. Postal Service mail. All filings must be addressed to the Commission's Secretary, Office of the Secretary, Federal Communications Commission.
 - All hand-delivered or messenger-delivered paper filings for the Commission's Secretary must be delivered to FCC Headquarters at 445 12th St., SW, Room TW-A325, Washington, DC 20554. The filing hours are 8:00 a.m. to 7:00 p.m. All hand deliveries must be held together with rubber bands or fasteners. Any envelopes must be disposed of before entering the building.
 - Commercial overnight mail (other than U.S. Postal Service Express Mail and Priority Mail) must be sent to 9300 East Hampton Drive, Capitol Heights, MD 20743.
 - U.S. Postal Service first-class, Express, and Priority mail must be addressed to 445 12th Street, SW, Washington DC 20554.

People with Disabilities: To request materials in accessible formats for people with disabilities (braille, large print, electronic files, audio format), send an e-mail to fcc504@fcc.gov or call the Consumer & Governmental Affairs Bureau at 202-418-0530 (voice), 202-418-0432 (tty).

This matter shall be treated as a "permit-but-disclose" proceeding in accordance with the Commission's *ex parte* rules.¹⁴ Persons making oral *ex parte* presentations are reminded that memoranda summarizing the presentations must contain summaries of the substance of the presentations and not merely a listing of the subjects discussed. More than a one- or two-sentence description of the views and arguments presented generally is required.¹⁵ Other requirements pertaining to oral and written presentations are set forth in section 1.1206(b) of the Commission's rules.¹⁶

For further information, contact Marvin Sacks of the Pricing Policy Division, Wireline Competition Bureau at (202) 418-1520.

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¹⁴ 47 C.F.R. § 1.1200 *et seq.*

¹⁵ *See* 47 C.F.R. § 1.1206(b)(2).

¹⁶ 47 C.F.R. § 1.1206(b).

ATTACHMENT A

Voluntary Data Request Filing Specification For Non-ILEC and Out-of-Region ILEC Providers

Connections by Location (Question III.B.1)

For each location in each Listed Statistical Area to which your company provides a connection that you own or that you lease from another entity under an indefeasible right of use (IRU) agreement, please provide the information identified below.

**Table III.B.1
Record Format for Non-Incumbent Connections by Location**

Field Name	Description	Type	Example
ID	Sequential record number	Integer	1
Stat_Area_Name	Listed Statistical Area Name	Text	Washington-Arlington-Alexandria, DC-VA-MD-WV
Stat_Area_Num	Listed Statistical Area Number	Integer	47900
Lessor	Name of connection's owner if the connection is leased under an IRU	Text	DEF Co.
IRU_Years	Number of years remaining on the IRU if the connection is leased under an IRU	Integer	10
Location_ID	Sequential location number	Integer	1
Street_address	Actual situs for the location (<i>i.e.</i> , land where building or cell site is located)	Text	445 Twelfth St SW
Building_number	Building number of the location	Text	445
Prefix_direction	Prefix direction of the location	Text	
Street_name	Street name of the location	Text	Twelfth
Street_type	Street type of the location	Text	St
Suffix_direction	Suffix direction of the location	Text	SW
City	City of the location	Text	Washington
State	Two-letter state postal abbreviation of the location	Text	DC
ZIP	5-digit ZIP code (with leading zeros) of the location	Text	20554
ZIP4	4-digit add-on code (with leading zeros) of the location	Text	0000
Lat	Latitude to 5 decimal places	Float	38.88345
Long	Longitude to 5 decimal places	Float	-77.02830
CLLI	Telcordia-specified eight-character Common Language Location Identifier (CLLI) code of the ILEC wire center / exchange area of the location	Alphanumeric	WASHDCSW
Loc_type	Identify with the following numbers if the connection is to a: (1=Building; 2=Cell site in or on a building; 3=Free-standing cell site; 4=Other free-standing location)	Integer	1

Medium	Type of medium used to provision the connection to the location (1=Fiber; 2=Copper; 3=Hybrid Fiber Coax (HFC); 4=Fixed Wireless/Satellite)	Integer	2
Lit_strands	If the location is served with fiber, the total number of strands of lit fiber	Integer	2
Dark_strands	If the location is served with fiber, the total number of strands of dark fiber	Integer	2
Capacity_sold	Total capacity (upstream + downstream) of the connection as sold (see details below for codes)	Integer	3
Capacity_potential	Maximum capacity (upstream + downstream) of the connection with current hardware and line cards (see details below for codes)	Integer	4

Instructions for Connections by Location Record Format:

1. Please obtain a template for this data specification, available at <http://www.fcc.gov/wcb/ppd/template.xls>. Please enter or cut and paste your data into the template. Do not submit data in any other format. See the Public Notice for details on how to submit data.
2. Leave cells blank in the case of data that is not applicable for that record.
3. Instructions for providers needing to obtain a FRN can be accessed at <https://fjallfoss.fcc.gov/coresWeb/publicHome.do>. The FRN should be 10 digits and include leading zeros.
4. The Location_ID field is a sequential integer ranging from 1 to the total number of locations. Records containing information about connections to the same location should be assigned the same Location_ID.
5. Address data fields should be space-delimited in standardized Postal Service form. See <http://pe.usps.gov/cpim/ftp/pubs/Pub28/pub28.pdf>.
6. Latitude and Longitude of the geocoded address should be derived from a known geocoding platform like Bing maps, Google, Yahoo, batchgeocode.com, or other geocoding solution. Please enter values in decimal degrees with five (5) decimal places.
7. For the CLLI code, please enter the first eight digits of the CLLI code of the ILEC wire center serving the location.
8. For reporting the medium used by the connection, report the type of medium used by the portion of the connection that terminates at the location.
9. If multiple customer premises are served over the same connection (physical facility), please report the total upstream and downstream capacity provided over the connection. A particular location served by multiple connections of different types (*i.e.*, if there are connections to a location over multiple mediums) will require multiple records sharing the same Location_ID. In other words, records should be unique by location and connection medium.
10. For sold and potential capacity please use the following codes:

Capacity Codes	
Data Rate Code	Data Rate
0	NA
1	< 1.5 Mbps
2	≥ 1.5 to < 20 Mbps
3	≥ 20 to < 95 Mbps
4	≥ 95 Mbps

Collocations by Wire Center (Question III.B.2)

For each incumbent LEC wire office where your company is collocated in each Listed Statistical Area, please provide the information listed below.

**Table III.B.2
Record Format for Non-Incumbent Collocations by Wire Center**

Field Name	Description	Type	Example
ID	Sequential record number	Integer	1
Stat_Area_Name	Listed Statistical Area Name	Text	Washington-Arlington-Alexandria, DC-VA-MD-WV
Stat_Area_Num	Listed Statistical Area Number	Integer	47900
Street_address	Actual situs (<i>i.e.</i> , land where building is located) address of the collocation site	Text	1025 N Irving ST
Building_number	Building number of address	Text	1025
Prefix_direction	Prefix direction of address	Text	N
Street_name	Street name of address	Text	Irving
Street_type	Street type of address	Text	St
Suffix_direction	Suffix direction of address	Text	
City	City of address	Text	Arlington
State	Two-letter state postal abbreviation of address	Text	VA
ZIP	5-digit ZIP code (with leading zeros) of address	Text	22201
ZIP4	4-digit add-on code (with leading zeros) of address	Text	0005
Lat	Latitude to 5 decimal places	Float	38.88498
Long	Longitude to 5 decimal places	Float	-77.09634
CLLI	Telcordia-specified eight-character CLLI	Alphanumeric	ARTNVAAR

Instructions for Collocations by Wire Center Record Format:

1. Please obtain a template for this data specification, available at <http://www.fcc.gov/wcb/ppd/template.xls>. Please enter or cut and paste your data into the template. Do not submit data in any other format. See the Public Notice for details on how to submit data.
2. Leave cells blank in the case of data that is not applicable for that record.
3. Instructions for providers needing to obtain a FRN can be accessed at <https://fallfoss.fcc.gov/coresWeb/publicHome.do>. The FRN should be 10 digits and include leading zeros.
4. The ID field is a sequential integer ranging from 1 to the total number of wire centers.
5. Address data fields should be space-delimited in standardized Postal Service form. See <http://pe.usps.gov/cpim/ftp/pubs/Pub28/pub28.pdf>.
6. Latitude and Longitude of the geocoded address should be derived from a known geocoding platform like Bing maps, Google, Yahoo, batchgeocode.com, or other geocoding solution. Please enter values in decimal degrees with five (5) decimal places.
7. For the CLLI code, please enter the first eight digits of the CLLI code of the ILEC wire center / end office in which your equipment is collocated.

Map of Interoffice Fiber (Question III.B.3)

For each Listed Statistical Area in which your company owns fiber or in which your company leases fiber from another entity under an IRU agreement, provide a map of the routes followed by fiber that constitute your network. For this part, please include only those fiber “spans” (*i.e.*, lengths of fiber with terminating equipment on both ends) within your network and omit fiber *connections* from your network to end-user locations. Please submit the information as an ESRI Shapefile using a line feature class that contains the following data for each feature:

Field Name	Description	Type	Example
Provider	Provider Name	Text	ABC Co.
DBA	“Doing-business-as” name	Text	Superfone, Inc.
FRN	Provider FCC Registration Number (with leading zeros)	Text	0008402202
ID	Sequential record number	Integer	1

Instructions for Interoffice Fiber Shapefile:

1. Instructions for providers needing to obtain a FRN can be accessed at <https://fallfoss.fcc.gov/coresWeb/publicHome.do>. The FRN should be 10 digits and include leading zeros.
2. The data must be expressed using the WGS 1984 geographic coordinate system.
3. The ID field is a sequential integer ranging from 1 to the total number of line features.
4. Maps must be accompanied by metadata or a plain text “readme” file that contains a comprehensive explanation of the methodology employed to generate the map layer including any necessary assumptions and an assessment of the accuracy of the finished product.
5. Since ESRI Shapefiles typically consist of 5 to 7 individual files including the associated metadata and geodatabase, data should be submitted as a single, zipped file containing all the component files. The zipped file should be named “III.B.3.i_interoffice_fiber_FRN_ProviderName.zip” where FRN is the provider’s FRN number and ProviderName is the provider name.

Map of End-User Fiber (Question III.B.3)

For each Listed Statistical Area in which your company owns fiber or in which your company leases fiber from another entity under an IRU agreement, provide a map of the routes followed by fiber connecting your network to end-user locations. For this part, please include only fiber *connections* (i.e., lengths of fiber linking your network to end-user locations) and omit fiber linking points on your network. Please submit the information as an ESRI Shapefile using a line feature class that contains the following data for each feature:

**Table III.B.3(ii)
Shapefile Record Format for End-User Fiber**

Field Name	Description	Type	Example
Provider	Provider Name	Text	ABC Co.
DBA	"Doing-business-as" name	Text	Superfone, Inc.
FRN	Provider FCC Registration Number (with leading zeros)	Text	0008402202
ID	Sequential record number	Integer	1

Instructions for End-User Fiber Shapefile:

1. Instructions for providers needing to obtain a FRN can be accessed at <https://fjallfoss.fcc.gov/coresWeb/publicHome.do>. The FRN should be 10 digits and include leading zeros.
2. The data must be expressed using the WGS 1984 geographic coordinate system.
3. The ID field is a sequential integer ranging from 1 to the total number of line features.
4. Maps must be accompanied by metadata or a plain text "readme" file that contains a comprehensive explanation of the methodology employed to generate the map layer including any necessary assumptions and an assessment of the accuracy of the finished product.
5. Since ESRI Shapefiles typically consist of 5 to 7 individual files including the associated metadata and geodatabase, data should be submitted as a single, zipped file containing all the component files. The zip file should be named "III.B.3.iii_enduser_fiber_FRN_ProviderName.zip" where FRN is the provider's FRN number and ProviderName is the provider name.

CMRS Cell Sites by Location (Question III.C)

We request that all CMRS providers, for each cell site in each Listed Statistical Area, provide the following information: (1) the actual situs address for the cell site (i.e., land where the cell site is located) if the cell site is located in or on a building; (2) the geocode for the cell site (i.e., latitude and longitude); (3) whether the location is a cell site in or on a building, or a free-standing cell site; (4) the CLLI code of the incumbent LEC wire center that serves the location; and (5) the name of the carrier that provides your connection to the cell site.

**Table III.C.
Record Format for CMRS Cell Sites by Location**

Field Name	Description	Type	Example
ID	Sequential record number	Integer	1
Stat_Area_Name	Listed Statistical Area Name	Text	Washington-Arlington-Alexandria, DC-VA-MD-WV
Stat_Area_Num	Listed Statistical Area Number	Integer	47900
Location_ID	Sequential location number	Integer	1
Street_address	Actual situs for the cell site (i.e., land where cell site is located) if the cell site is located in or on a building	Text	445 Twelfth St SW

Building_number	Building number of the cell site	Text	445
Prefix_direction	Prefix direction of the cell site	Text	
Street_name	Street name of the cell site	Text	Twelfth
Street_type	Street type of the cell site	Text	St
Suffix_direction	Suffix direction of the cell site	Text	SW
City	City of the cell site	Text	Washington
State	Two-letter state postal abbreviation of the cell site	Text	DC
ZIP	5-digit ZIP code (with leading zeros) of the cell site	Text	20554
ZIP4	4-digit add-on code (with leading zeros) of the cell site	Text	0000
Lat	Latitude to 5 decimal places	Float	38.88345
Long	Longitude to 5 decimal places	Float	-77.02830
CLLI	Telcordia-specified eight-character CLLI of the ILEC wire center / exchange area of the cell site	Alphanumeric	WASHDCSW
Cell_type	Identify with the following numbers if the cell site is: (1=In or on a building; 2=A free-standing cell site)	Integer	1
Carrier	The name of the carrier that provides a connection to the cell site.	Text	2

Instructions for Cell Sites Record Format:

1. Please obtain a template for this data specification, available at <http://www.fcc.gov/wcb/ppd/template.xls>. Please enter or cut and paste your data into the template. Do not submit data in any other format. See the Public Notice for details on how to submit data.
2. Leave cells blank in the case of data that is not applicable for that record.
3. Instructions for providers needing to obtain a FRN can be accessed at <https://fjallfoss.fcc.gov/coresWeb/publicHome.do>. The FRN should be 10 digits and include leading zeros.
4. The Location_ID field is a sequential integer ranging from 1 to the total number of locations. Records containing information about connections to the same location should be assigned the same Location_ID.
5. Address data fields should be space-delimited in standardized Postal Service form. See <http://pe.usps.gov/cpim/ftp/pubs/Pub28/pub28.pdf>.
6. Latitude and Longitude of the geocoded address should be derived from a known geocoding platform like Bing maps, Google, Yahoo, batchgeocode.com, or other geocoding solution. Please enter values in decimal degrees with five (5) decimal places.
7. For the CLLI code, please enter the first eight digits of the CLLI code of the ILEC wire center serving the location.

ATTACHMENT B

Voluntary Data Request Filing Specification for Incumbent LECS

Incumbent Data by Wire Center (Question III.E.1, 2, 3)

III.E.1. For each wire center in each Listed Statistical Area, please provide the number of connections that you own or that you lease from another entity under an IRU agreement: a) in total; b) by the type of medium used to provision the connection to the location (*e.g.*, fiber, copper, hybrid fiber coax, fixed wireless/satellite); c) for each medium listed above, by the maximum total capacity (upstream plus downstream) of these connections with the current hardware and line cards; and d) for each medium listed in III.E.1.b by the total capacity sold (upstream plus downstream) of these connections with the current hardware and linecards.

III.E.2. For each wire center in each Listed Statistical Area, provide the number of lit and unlit fibers for the fiber connections that you own or that you lease from another entity under an IRU agreement.

III.E.3. For each wire center in each Listed Statistical Area, provide the number of locations to which you have connections that you own or that you lease from another entity under an IRU agreement by type of location (*e.g.*, building, other free-standing site, cell site in or on building, or free-standing cell site).

**Table III.E.
Record Format for Incumbent LEC Data by Wire Center**

Field Name	Description	Type	Example
ID	Sequential record number	Integer	1
Stat_Area_Name	Listed Statistical Area Name	Text	Washington-Arlington-Alexandria, DC-VA-MD-WV
Stat_Area_Num	Listed Statistical Area Number	Integer	47900
CLLI	Telcordia-specified eight-character CLLI code of the ILEC wire center / exchange area of the location	Alphanumeric	WASHDCSW
Connect_Tot	Total connections that you own or that you provide services from under an IRU agreement from another entity	Integer	
Fiber_Tot	Total Fiber connection that you own or that you provide services from under an IRU agreement from another entity	Integer	
Fiber_Max_Cap1	Fiber connections that you own or that you lease under an IRU agreement (from another entity) with a maximum capacity (upstream plus downstream) <1.5 Mbps	Integer	
Fiber_Max_Cap2	Fiber connections that you own or that you lease under an IRU agreement (from another entity) with a maximum capacity (upstream plus downstream) of 1.5 Mbps to < 20 Mbps	Integer	
Fiber_Max_Cap3	Fiber connections that you own or that you lease under an IRU agreement (from another entity) with a maximum capacity (upstream plus downstream) of 20 Mbps to < 95 Mbps	Integer	
Fiber_Max_Cap4	Fiber connections that you own or that you lease under an IRU agreement (from another entity) with a maximum capacity (upstream plus downstream) of greater than 95 Mbps	Integer	
Fiber_Sold_Cap1	Fiber connections you sell with a total capacity (upstream plus downstream) of <1.5 Mbps	Integer	
Fiber_Sold_Cap2	Fiber connections you sell with a total capacity (upstream plus downstream) of 1.5 Mbps to < 20 Mbps	Integer	

Fiber_Sold_Cap3	Fiber connections you sell with a total capacity (upstream plus downstream) of 20 Mbps to < 95 Mbps	Integer
Fiber_Sold_Cap4	Fiber connections you sell with a total capacity (upstream plus downstream) of greater than 95 Mbps	Integer
Copper_Tot	Total Copper connections that you own or that you lease under an IRU agreement from another entity	Integer
Copper_Max_Cap1	Copper connections that you own or that you lease under an IRU agreement (from another entity) with a maximum capacity (upstream plus downstream) <1.5 Mbps	Integer
Copper_Max_Cap2	Copper connections that you own or that you lease under an IRU agreement (from another entity) with a maximum capacity (upstream plus downstream) of 1.5 Mbps to < 20 Mbps	Integer
Copper_Max_Cap3	Copper connections that you own or that you lease under an IRU agreement (from another entity) with a maximum capacity (upstream plus downstream) of 20 Mbps to < 95 Mbps	Integer
Copper_Max_Cap4	Copper connections that you own or that you lease under an IRU agreement (from another entity) with a maximum capacity (upstream plus downstream) of greater than 95 Mbps	Integer
Copper_Sold_Cap1	Copper connections you sell with a total capacity (upstream plus downstream) of <1.5 Mbps	Integer
Copper_Sold_Cap2	Copper connections you sell with a total capacity (upstream plus downstream) of 1.5 Mbps to < 20 Mbps	Integer
Copper_Sold_Cap3	Copper connections you sell with a total capacity (upstream plus downstream) of 20 Mbps to < 95 Mbps	Integer
Copper_Sold_Cap4	Copper connections you sell with a total capacity (upstream plus downstream) of greater than 95 Mbps	Integer
HFC_Tot	Total Hybrid Fiber Coax connection that you own or that you lease from another entity under an IRU agreement	Integer
HFC_Max_Cap1	Hybrid Fiber Coax connections that you own or that you lease under an IRU agreement (from another entity) with a maximum capacity (upstream plus downstream) <1.5 Mbps	Integer
HFC_Max_Cap2	Hybrid Fiber Coax connections that you own or that you lease under an IRU agreement (from another entity) with a maximum capacity (upstream plus downstream) of 1.5 Mbps to < 20 Mbps	Integer
HFC_Max_Cap3	Hybrid Fiber Coax connections that you own or that you lease under an IRU agreement with a maximum capacity (upstream plus downstream) of 20 Mbps to < 95 Mbps	Integer
HFC_Max_Cap4	Hybrid Fiber Coax connections that you own or that you lease under an IRU agreement (from another entity) with a maximum capacity (upstream plus downstream) of greater than 95 Mbps	Integer
HFC_Sold_Cap1	Hybrid Fiber Coax connections you sell with a total capacity (upstream plus downstream) of <1.5 Mbps	Integer
HFC_Sold_Cap2	Hybrid Fiber Coax connections you sell with a total capacity (upstream plus downstream) of 1.5 Mbps to < 20 Mbps	Integer
HFC_Sold_Cap3	Hybrid Fiber Coax connections you sell with a total capacity (upstream plus downstream) of 20 Mbps to < 95 Mbps	Integer
HFC_Sold_Cap4	Hybrid Fiber Coax connections you sell with a total capacity (upstream plus downstream) of greater than 95 Mbps	Integer
FW_Sat_Tot	Total fixed wireless and/or satellite connections that you own or that you lease from another entity under an IRU agreement	Integer

FW_Sat_Max_Cap1	Fixed wireless and/or satellite connections that you own or that you lease under an IRU agreement (from another entity) with a maximum capacity (upstream plus downstream) <1.5 Mbps	Integer
FW_Sat_Max_Cap2	Fixed wireless and/or satellite connections that you own or that you lease under an IRU agreement (from another entity) with a maximum capacity (upstream plus downstream) of 1.5 Mbps to < 20 Mbps	Integer
FW_Sat_Max_Cap3	Fixed wireless and/or satellite connections that you own or that you lease under an IRU agreement (from another entity) with a maximum capacity (upstream plus downstream) of 20 Mbps to < 95 Mbps	Integer
FW_Sat_Max_Cap4	Fixed wireless and/or satellite connections that you own or that you lease under an IRU agreement (from another entity) with a maximum capacity (upstream plus downstream) of greater than 95 Mbps	Integer
FW_Sat_Sold_Cap1	Fixed wireless and/or satellite connections you sell with a total capacity (upstream plus downstream) of <1.5 Mbps	Integer
FW_Sat_Sold_Cap2	Fixed wireless and/or satellite connections you sell with a total capacity (upstream plus downstream) of 1.5 Mbps to < 20 Mbps	Integer
FW_Sat_Sold_Cap3	Fixed wireless and/or satellite connections you sell with a total capacity (upstream plus downstream) of 20 Mbps to < 95 Mbps	Integer
FW_Sat_Sold_Cap4	Fixed wireless and/or satellite connections you sell with a total capacity (upstream plus downstream) of greater than 95 Mbps	Integer
Fiber_Lit	The number of lit fiber connections that you own or that you lease under a IRU agreement from another entity	Integer
Fiber_Unlit	The number of unlit fiber connections that you own or that you lease under a IRU agreement from another entity	Integer
Locations	Total Locations to which your company owns, or leases connections under an IRU agreement from other entities	Integer
Locations_bldg	Building locations to which your company owns, or leases connections under an IRU agreement from other entities	Integer
Locations_frstdgsite	Other free-standing locations to which your company owns, or leases connections under an IRU agreement from other entities	Integer
Locations_bldgcell	Cell site in or on building locations to which your company owns or leases connections under an IRU agreement from other entities	Integer
Locations_frstdgcell	Free-standing cell site locations to which your company owns or leases connections under an IRU agreement from other entities	Integer

Instructions for Incumbent Data by Statistical Area Record Format:

1. Please obtain a template for this data specification, available at <http://www.fcc.gov/wcb/ppd/template.xls>. Please enter or cut and paste your data into the template. Do not submit data in any other format. See the Public Notice for details on how to submit data.
2. Leave cells blank in the case of data that is not applicable for that record.
3. Instructions for providers needing to obtain a FRN can be accessed at <https://fjallfoss.fcc.gov/coresWeb/publicHome.do>. The FRN should be 10 digits and include leading zeros.
4. The ID field is a sequential integer ranging from 1 to the total number of the Listed Statistical Areas in which you provide service as an incumbent LEC.

ATTACHMENT C
LISTED STATISTICAL AREAS¹⁷

Table 1
Listed Statistical Area Codes & Titles

Code	Title
12060	Atlanta-Sandy Springs-Marietta, GA Metropolitan Statistical Area
16300	Cedar Rapids, IA Metropolitan Statistical Area
16980	Chicago-Joliet-Naperville, IL-IN-WI Metropolitan Statistical Area
17140	Cincinnati-Middletown, OH-KY-IN Metropolitan Statistical Area
19820	Detroit-Warren-Livonia, MI Metropolitan Statistical Area
22180	Fayetteville, NC Metropolitan Statistical Area
24860	Greenville-Mauldin-Easley, SC Metropolitan Statistical Area
27780	Johnstown, PA Metropolitan Statistical Area
29820	Las Vegas-Paradise, NV Metropolitan Statistical Area
30620	Lima, OH Metropolitan Statistical Area
31100	Los Angeles-Long Beach-Santa Ana, CA Metropolitan Statistical Area
31900	Mansfield, OH Metropolitan Statistical Area
33100	Miami-Fort Lauderdale-Pompano Beach, FL Metropolitan Statistical Area
33460	Minneapolis-St. Paul-Bloomington, MN-WI Metropolitan Statistical Area
35380	New Orleans-Metairie-Kenner, LA Metropolitan Statistical Area
35620	New York-Northern New Jersey-Long Island, NY-NJ-PA Metropolitan Statistical Area
36100	Ocala, FL Metropolitan Statistical Area
38060	Phoenix-Mesa-Glendale, AZ Metropolitan Statistical Area
38300	Pittsburgh, PA Metropolitan Statistical Area
38900	Portland-Vancouver-Hillsboro, OR-WA Metropolitan Statistical Area
41940	San Jose-Sunnyvale-Santa Clara, CA Metropolitan Statistical Area
42660	Seattle-Tacoma-Bellevue, WA Metropolitan Statistical Area
47260	Virginia Beach-Norfolk-Newport News, VA-NC Metropolitan Statistical Area
47900	Washington-Arlington-Alexandria, DC-VA-MD-WV Metropolitan Statistical Area

¹⁷ This list is selected from a list of Metropolitan Statistical Areas that are defined by the Office of Management and Budget (OMB) and that are the result of the application of public standards to U.S. Census Bureau data. OMB updates this list periodically. Please consult OMB's website for more information. See OFFICE OF MANAGEMENT AND BUDGET, BULLETIN NO. 10-02, UPDATES OF STATISTICAL AREA DEFINITIONS AND GUIDANCE ON THEIR USES (2009), available at <http://www.whitehouse.gov/omb/assets/bulletins/b10-02.pdf>.

Table 2
Listed Statistical Areas with Component Counties

Code	Title with Component Counties and County Equivalents
12060	Atlanta-Sandy Springs-Marietta, GA Metropolitan Statistical Area Barrow County, Bartow County, Butts County, Carroll County, Cherokee County, Clayton County, Cobb County, Coweta County, Dawson County, DeKalb County, Douglas County, Fayette County, Forsyth County, Fulton County, Gwinnett County, Haralson County, Heard County, Henry County, Jasper County, Lamar County, Meriwether County, Newton County, Paulding County, Pickens County, Pike County, Rockdale County, Spalding County, Walton County
16300	Cedar Rapids, IA Metropolitan Statistical Area Benton County, Jones County, Linn County
16980	Chicago-Joliet-Naperville, IL-IN-WI Metropolitan Statistical Area Cook County, IL; DeKalb County, IL; DuPage County, IL; Grundy County, IL; Kane County IL; Kendall County, IL; McHenry County, IL; Will County, IL; Jasper County, IN; Lake County, IN; Newton County, IN; Porter County, IN; Lake County, IL; Kenosha County, WI
17140	Cincinnati-Middletown, OH-KY-IN Metropolitan Statistical Area Dearborn County, IN; Franklin County, IN; Ohio County, IN; Boone County, KY; Bracken County, KY; Campbell County, KY; Gallatin County, KY; Grant County, KY; Kenton County, KY; Pendleton County, KY; Brown County, OH; Butler County, OH; Clermont County, OH; Hamilton County, OH; Warren County, OH
19820	Detroit-Warren-Livonia, MI Metropolitan Statistical Area Wayne County, Lapeer County, Livingston County, Macomb County, Oakland County, St. Clair County
22180	Fayetteville, NC Metropolitan Statistical Area Cumberland County, Hoke County
24860	Greenville-Mauldin-Easley, SC Metropolitan Statistical Area Greenville County, Laurens County, Pickens County
27780	Johnstown, PA Metropolitan Statistical Area Cambria County
29820	Las Vegas-Paradise, NV Metropolitan Statistical Area Clark County
30620	Lima, OH Metropolitan Statistical Area Allen County
31100	Los Angeles-Long Beach-Santa Ana, CA Metropolitan Statistical Area Los Angeles County, Orange County
31900	Mansfield, OH Metropolitan Statistical Area Richland County

- 33100 Miami-Fort Lauderdale-Pompano Beach, FL Metropolitan Statistical Area
Broward County, Miami-Dade County, Palm Beach County
- 33460 Minneapolis-St. Paul-Bloomington, MN-WI Metropolitan Statistical Area
Anoka County, MN; Carver County, MN; Chisago County, MN; Dakota County, MN; Hennepin County, MN; Isanti County, MN; Ramsey County, MN; Scott County, MN; Sherburne County, MN; Washington County, MN; Wright County, MN; Pierce County, WI; St. Croix County, WI
- 35380 New Orleans-Metairie-Kenner, LA Metropolitan Statistical Area
Jefferson Parish, Orleans Parish, Plaquemines Parish, St. Bernard Parish, St. Charles Parish, St. John the Baptist Parish, St. Tammany Parish
- 35620 New York-Northern New Jersey-Long Island, NY-NJ-PA Metropolitan Statistical Area
Middlesex County, NJ; Monmouth County, NJ; Ocean County, NJ; Somerset County, NJ; Nassau County, NY; Suffolk County, NY; Essex County, NJ; Hunterdon County, NJ; Morris County, NJ; Sussex County, NJ; Union County, NJ; Pike County, PA Bergen County, NJ; Hudson County, NJ; Passaic County, NJ; Bronx County, NY; Kings County, NY; New York County, NY; Putnam County, NY; Queens County, NY; Richmond County, NY; Rockland County, NY; Westchester County, NY
- 36100 Ocala, FL Metropolitan Statistical Area
Marion County
- 38060 Phoenix-Mesa-Glendale, AZ Metropolitan Statistical Area
Maricopa County, Pinal County
- 38300 Pittsburgh, PA Metropolitan Statistical Area
Allegheny County, Armstrong County, Beaver County, Butler County, Fayette County, Washington County, Westmoreland County
- 38900 Portland-Vancouver-Hillsboro, OR-WA Metropolitan Statistical Area
Clackamas County, OR; Columbia County, OR; Multnomah County, OR; Washington County, OR; Yamhill County, OR; Clark County, WA; Skamania County, WA
- 41940 San Jose-Sunnyvale-Santa Clara, CA Metropolitan Statistical Area
San Benito County, Santa Clara County
- 42660 Seattle-Tacoma-Bellevue, WA Metropolitan Statistical Area
King County, Snohomish County, Pierce County
- 47260 Virginia Beach-Norfolk-Newport News, VA-NC Metropolitan Statistical Area
Currituck County, NC; Gloucester County, VA; Isle of Wight County, VA; James City County, VA; Mathews County, VA; Surry County, VA; York County, VA; Chesapeake city, VA; Hampton city, VA; Newport News city, VA; Norfolk city, VA; Poquoson city, VA; Portsmouth city, VA; Suffolk city, VA; Virginia Beach city, VA; Williamsburg city, VA

47900 Washington-Arlington-Alexandria, DC-VA-MD-WV Metropolitan Statistical Area
Frederick County, MD; Montgomery County, MD; District of Columbia, DC;
Calvert County, MD; Charles County, MD; Prince George's County, MD;
Arlington County, VA; Clarke County, VA; Fairfax County, VA; Fauquier
County, VA; Loudoun County, VA; Prince William County, VA; Spotsylvania
County, VA; Stafford County, VA; Warren County, VA; Alexandria city, VA;
Fairfax city, VA; Falls Church city, VA; Fredericksburg city, VA; Manassas city,
VA; Manassas Park city, VA; Jefferson County, WV
