

Completing and Filing FCC Form 477

Local Telephone Competition
and Broadband Reporting

March 10, 2009

Table of Contents

<u>Section</u>	<u>Slide</u>
Overview	3
Getting Started	5
New Submissions	7
Broadband Data	13
Broadband Census Tracts	21
Telephony Data	36
Explanations and Comments	45
Submitting and Reopening a Form	47
Helpful Hints, Hyperlinks, and Resources	51

Overview

- This presentation describes how to use the Form 477 online application to file Local Telephone Competition and Broadband Data required by the FCC
- The Form 477 application is a web interface that allows providers of the following services to submit improved data to the FCC:
 - Broadband (complete Parts I and VI),
 - Wired and wireless local telephone (complete Parts II.A and V),
 - Mobile telephony (complete Part III), and
 - Interconnected VoIP (complete Parts II.B and V)
- The Form 477 application
 - Available at <https://specialreports.fcc.gov/wcb/Form477/>
 - Implements FCC orders 08-89 and 08-148
 - (23 FCC Rcd 9691 and 23 FCC Rcd 9800)
 - Enhances broadband and local telephone competition data collection
- More information is at <http://www.fcc.gov/form477/>
- Begin at the Login screen (next page)

FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#)

OMB NO: 3060-0816

Login Information

Enter the FCC Registration Number (FRN) that will be used for this Form 477 submission, and the associated password. The "FCC Registration System" link, below, explains how to obtain a FRN.

Required Input → FRN:


→ Password:

Accessible Version: No Yes

[FCC Registration System](#)

Getting Started

- You must have an FCC Registration Number (FRN) in the Commission Registration System (CORES)
 - If you need an FRN, the URL for CORES is <https://fjallfoss.fcc.gov/coresWeb/publicHome.do>
 - You also may reach this site if you click the FCC Registration System button at the bottom of the Login screen
- On the Login screen enter
 - Your FRN, *no spaces or dashes*, and
 - Password associated with this FRN
- Select “Accessible Version” for ease of use with screen reading applications for the visually impaired
- You will now see the Main Menu (Form 477 Home Page)
 - The 477 Home Page button at the upper left of most pages will also take you here


Federal Communications Commission

[FCC Home](#) | [Search](#) | [Updates](#) | [E-Filing](#) | [Initiatives](#) | [For Consumers](#) | [Find People](#)

FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#)
OMB NO: 3060-0816

FRN 18461806 tom telephone

New Form

To start a new Form 477 submission, first use the drop-down lists to specify "Data as of" and "State". Next, use the "Operations" option buttons that will appear to specify "ILEC" (Incumbent Local Exchange Carrier) or "Non-ILEC", and then click "Create New." Filers must report data for different states in separate submissions. Filers must report data for ILEC and non-ILEC operations in separate submissions.

[Create New Form 477](#)

Data as of: State:

Existing Form 477 Submissions:

[Existing Form 477 Submissions Data as of Dec 31, 2008](#)

Status	State	Operations	View/Edit By Part	Revise/Submit
Original - In Progress	Massachusetts	ILEC	View/Edit	Submit
Original - In Progress	Texas	Non-ILEC	View/Edit	Submit

[Log Out](#)

Existing Forms

[FCC Home](#) | [Search](#) | [Updates](#) | [E-Filing](#) | [Initiatives](#) | [For Consumers](#) | [Find People](#)

Federal Communications Commission
445 12th Street SW
Washington, DC 20554
[More FCC Contact Information...](#)

Phone: 1-888-CALL-FCC (1-888-225-5322)
TTY: 1-888-TELL-FCC (1-888-835-5322)
Fax: 1-866-418-0232
E-mail: fccinfo@fcc.gov

- [Privacy Policy](#)
- [Website Policies & Notices](#)
- [Required Browser Plug-ins](#)
- [Freedom of Information Act](#)

New Submissions


<u>Section</u>	<u>Slide</u>
Creating a new Submission	8
Cover Page Example	9
Edit Menu	10
Edit Menu Graphic	11
Exiting a Page	12

Creating a new Submission

- Select the state from the drop-down list
- Click “Select State” to see

Create New Form 477

Data as of: Dec 31, 2008 State: Idaho Operations: ILEC Non-ILEC

- Select ILEC or Non-ILEC for Operations
- Click “Create New” to see the Cover Page 
- Complete the Cover Page (next slide)
 - Select a name for item 4, the common-control name, from the drop-down box
 - Review the pre-selected choice for item 9
 - Enter contact information in items 6, 7, 10, and 11
 - Click the button “Save and Go to Edit Menu.”

Completing and Filing FCC Form 477

FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#)

OMB NO: 3060-0816

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: VA, Operations: Non-ILEC

All filers must complete Items 1 through 11 below

Data Description	Value
Data as of	Dec 31, 2008
1. FRN	18461806
2. Company	tom telephone
3. Type of Operations	Non-ILEC
4. Use this drop-down list to select a single name, such as the holding company, to identify all commonly-owned or commonly-controlled filers. Commonly-controlled filers with no holding company should decide on a single name to use for this question. If not affiliated with any other filer, select "same as company name". Select "not shown" if no appropriate name appears in the list.	Click and select from drop-down list
If you selected "not shown" above, provide the appropriate name.	
5. State	VA
6. Contact person (person who prepared the submitted data)	
7. Contact person telephone number and email address	Phone. <input type="text"/>
	Email. <input type="text"/>
8. Status of submission	Original - In Progress
9. Indicate whether you request non-disclosure of some or all of the information in this submission because you believe that this information is privileged and confidential and public disclosure of such information would likely cause substantial harm to the competitive position of the filer.	<input checked="" type="radio"/> No <input type="radio"/> Yes
10. Official (corporate officer, managing partner, or sole proprietor) whose signature certifies that he/she has examined the information contained in this Form 477 and that, to the best of his/her knowledge, information and belief, all statements of fact contained in this Form 477 are true and correct. For purposes of this Form 477, the entry of the official's name on this line shall constitute that official's electronic signature to this certification. Persons making willful false statements in a Form 477 can be punished by fine or imprisonment under the Communications Act, 47 U.S.C. 220(e).	
11. Certifying official telephone number and email address	Phone. <input type="text"/>
	Email. <input type="text"/>



Submission (Edit) Menu

- The Submission (Edit) Menu will be displayed (next slide)
- Facilities-based providers of broadband connections to end users must file Part I.A.
- Under “Data Section,”
 - Click “Part I.A: Broadband - xx” where xx is any of the 10 technologies listed
 - This displays the state totals section for that technology
 - See Asymmetric xDSL example following Edit Menu
 - Screens for most other broadband technologies are the same
 - Cable Modem screen follows the xDSL screen

Completing and Filing FCC Form 477



FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#)

OMB NO: 3060-0816

[Form 477 Submission for FRN: 18461806, Company: tom telephone, State: NY, Operations: Non-ILEC , Data as of: Dec 31, 2008](#) (Click on the link to edit cover page data)

Form 477 Submission Menu

Data Section	Status
<input type="checkbox"/> Part I.A: Broadband - Asymmetric xDSL	Data Entered
<input type="checkbox"/> Part I.A: Broadband - Symmetric xDSL	No data for this category.
<input type="checkbox"/> Part I.A: Broadband - Other Wireline	Data Entered
<input type="checkbox"/> Part I.A: Broadband - Cable Modem	Data Entered
<input type="checkbox"/> Part I.A: Broadband - Optical Carrier (fiber to the end user)	Data Entered
<input type="checkbox"/> Part I.A: Broadband - Satellite	No data for this category.
<input type="checkbox"/> Part I.A: Broadband - Terrestrial Fixed Wireless	No data for this category.
<input type="checkbox"/> Part I.A: Broadband - Terrestrial Mobile Wireless	No data for this category.
<input type="checkbox"/> Part I.A: Broadband - Electric Power Line	No data for this category.
<input type="checkbox"/> Part I.A: Broadband - All Other	No data for this category.
<input type="checkbox"/> Part I.B: Broadband xDSL (asymmetric or symmetric) / Cable Modem / Terrestrial Mobile Wireless	No data for this category.
<input type="checkbox"/> Part II.A: Local Exchange Telephone Service	No data for this category.
<input type="checkbox"/> Part II.B: Interconnected VoIP Service	No data for this category.
<input type="checkbox"/> Part III: Mobile Local Telephone	No data for this category.
<input type="checkbox"/> Part IV: Explanations and Comments	No data for this category.

Part I.A. choices

Part VI: Broadband Connection Counts by Technology, Census Tract, and Information Transfer Rate

[Enter Census Tract Detail Data by Hand](#)

[Submit File for Census Tract Bulk Data Upload](#)

Exiting a Page

- Most pages give the user several choices of what to do next upon completion
- Click
 - “477 Home” to return to the main menu
 - “Save and return to Edit Menu” to save the data on the screen and continue with this filing
 - “Current Form 477” to return to the Edit Menu without saving
 - “Log Out” to log out of the system and display the Login screen

Broadband Data

<u>Section</u>	<u>Slide</u>
Broadband Example - xDSL	14
Asymmetric xDSL Screen	15
Cable Modem Screen	16
Other Broadband Screens	17
Symmetric xDSL	18
Terrestrial Mobile Wireless	19
Part I.B. Data - availability	20

Broadband Example - xDSL

- Enter on the “Part I.A: Broadband – xx” form
 - the total number of connections in the state in column (1)
 - This number must be an integer
 - the appropriate percentages of the connections listed in column (1) into columns (2) through (5)
 - The system allows up to three figures after the decimal
 - All columns must be filled in, even if they are “0”
 - the number of connections in each of the speed tiers for which you have connections in columns (6) through (13)
 - These numbers must be integers
 - Leave the remaining cells in columns (6) through (13) blank – *do not put “0” in them*
- The sum of all entries in columns (6) through (13) must add up to the value reported for (1)
- Column (5) must be no greater than column (4)

Completing and Filing FCC Form 477



FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#) | [Current Form 477](#)

OMB NO: 3060-0816

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: AK, Operations: ILEC , Data as of: Dec 31, 2008

-Part I.A: Broadband - Asymmetric xDSL

Technology

In Part I.A, report connections (wired "lines") to end users that you (including affiliates) equipped to enable the end user to receive information from and/or send information to the Internet at information transfer rates exceeding 200 kbps in at least one direction. Report only in-service connections. The end user's Internet access service may be provided by you (including affiliates) or by an unaffiliated entity. For purposes of Part I.A, Internet Service Providers (ISPs) are not end users. Categorize the connection based on the technology employed by the part of the connection that terminates at the end user location. (Do not report anywhere in Form 477 any high-capacity connections between two locations of the same end user customer, ISP or communications carrier.)

Col 1-5	(1)	(2)	(3)	(4)	(5)
	Total connections to end users that you (including affiliates) equipped as broadband over your own local loop facilities or the equivalent, or over UNE loops or other facilities you obtained from an unaffiliated entity. Do not convert lines into a voice-grade-equivalent measure.	Percentage of (1) that you (including affiliates) equipped over your own local loop facilities or the equivalent	Percentage of (1) that are billed (or incorporated in a service billed) to end users by you, or your affiliates or agents	Percentage of (1) that connect to residential end users	Percentage of (1) that connect to residential end users and have information transfer rates exceeding 200 kbps in both directions
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Break down the total connections reported in (1) to show the number in each of the following speed tiers.

Connections reported in **EACH** data cell below must equal the sum of Asymmetric xDSL connections reported in Part VI by Census Tract, for that download/upload combination, and the sum of **ALL** data cells below must equal the total connections reported in (1).

Upload information transfer rate from the end user (9 categories):	Download information transfer rate to the end user (8 categories):							
	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Less than or equal to 200 kbps	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Greater than 200 kbps and less than 768 kbps	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Greater than or equal to 768 kbps and less than 1.5 mbps	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Completing and Filing FCC Form 477

FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#) | [Current Form 477](#) OMB NO: 3060-0816

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: AK, Operations: ILEC , Data as of: Dec 31, 2008

Part I.A: Broadband - Cable Modem

Technology

In Part I.A, report connections (wired "lines") to end users that you (including affiliates) equipped to enable the end user to receive information from and/or send information to the Internet at information transfer rates exceeding 200 kbps in at least one direction. Report only in-service connections. The end user's Internet access service may be provided by you (including affiliates) or by an unaffiliated entity. For purposes of Part I.A, Internet Service Providers (ISPs) are not end users. Categorize the connection based on the technology employed by the part of the connection that terminates at the end user location. (Do not report anywhere in Form 477 any high-capacity connections between two locations of the same end user customer, ISP or communications carrier.)

Col 1-5 → (1) Total connections to end users that you (including affiliates) equipped as broadband over your own local loop facilities or the equivalent, or over UNE loops or other facilities you obtained from an unaffiliated entity. Do not convert lines into a voice-grade-equivalent measure.	(2) Percentage of (1) that you (including affiliates) equipped over your own local loop facilities or the equivalent	(3) Percentage of (1) that are billed (or incorporated in a service billed) to end users by you, or your affiliates or agents	(4) Percentage of (1) that connect to residential end users	(5) Percentage of (1) that connect to residential end users and have information transfer rates exceeding 200 kbps in both directions
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Break down the total connections reported in (1) to show the number in each of the following speed tiers.

Connections reported in EACH data cell below must equal the sum of Cable Modem connections reported in Part VI by Census Tract, for that download/upload combination, and the sum of ALL data cells below must equal the total connections reported in (1).

Col 6-13

	Download information transfer rate to the end user (8 categories):							
	(6) Greater than 200 kbps and less than 768 kbps	(7) Greater than or equal to 768 kbps and less than 1.5 mbps	(8) Greater than or equal to 1.5 mbps and less than 3 mbps	(9) Greater than or equal to 3 mbps and less than 6 mbps	(10) Greater than or equal to 6 mbps and less than 10 mbps	(11) Greater than or equal to 10 mbps and less than 25 mbps	(12) Greater than or equal to 25 mbps and less than 100 mbps	(13) Greater than or equal to 100 mbps
Upload information transfer rate from the end user (9 categories): Less than or equal to 200 kbps	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Greater than 200 kbps and less than 768 kbps	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Greater than or equal to 768 kbps and less than 1.5 mbps	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Broadband Screens

- Part I.A. data for “Symmetric xDSL” and “Other Wireline” both contain only one row for columns (6) through (13) because they are symmetric (next slide)
- Part I.A. Data for Terrestrial Mobile Wireless contains a percentage residential in the statewide totals
 - Entering connections for a particular speed tier requires an associated percentage residential entry
 - Part VI, Census Tract data, is not required for these providers
- ILECs completing Part I.A. for xDSL, and Terrestrial Mobile Wireless (TMW) and Cable Modem providers must complete Part I.B
 - ILECs and Cable Modem providers estimate % residential availability
 - TMW providers estimate number of broadband capable devices

FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#) | [Current Form 477](#) OMB NO: 3060-0816

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: AK, Operations: ILEC , Data as of: Dec 31, 2008

Part I.A: Broadband - Symmetric xDSL ← Technology

In Part I.A, report connections (wired "lines") to end users that you (including affiliates) equipped to enable the end user to receive information from and send information to the Internet at information transfer rates exceeding 200 kbps in both directions. Report only in-service connections. The end user's Internet access service may be provided by you (including affiliates) or by an unaffiliated entity. For purposes of Part I.A, Internet Service Providers (ISPs) are not end users. Categorize the connection based on the technology employed by the part of the connection that terminates at the end user location. (Do not report anywhere in Form 477 any high-capacity connections between two locations of the same end user customer, ISP or communications carrier.)

(1)	(2)	(3)	(4)	(5)
Total connections to end users that you (including affiliates) equipped as broadband over your own local loop facilities or the equivalent, or over UNE loops or other facilities you obtained from an unaffiliated entity. Do not convert lines into a voice-grade-equivalent measure.	Percentage of (1) that you (including affiliates) equipped over your own local loop facilities or the equivalent	Percentage of (1) that are billed (or incorporated in a service billed) to end users by you, or your affiliates or agents	Percentage of (1) that connect to residential end users	Percentage of (1) that connect to residential end users and have information transfer rates exceeding 200 kbps in both directions
<input style="width: 80px; height: 20px;" type="text"/>	<input style="width: 80px; height: 20px;" type="text"/>	<input style="width: 80px; height: 20px;" type="text"/>	<input style="width: 80px; height: 20px;" type="text"/>	<input style="width: 80px; height: 20px;" type="text"/>

Break down the total connections reported in (1) to show the number in each of the following speed tiers.

Connections reported in **EACH** data cell below must equal the sum of Symmetric xDSL connections reported in Part VI by Census Tract, for that information transfer rate category, and the sum of **ALL** data cells below must equal the total connections reported in (1).

Col 6-13, Single Row								Information transfer rate to and from the end user (8 categories):							
(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)								
Greater than 200 kbps and less than 768 kbps	Greater than or equal to 768 kbps and less than 1.5 mbps	Greater than or equal to 1.5 mbps and less than 3 mbps	Greater than or equal to 3 mbps and less than 6 mbps	Greater than or equal to 6 mbps and less than 10 mbps	Greater than or equal to 10 mbps and less than 25 mbps	Greater than or equal to 25 mbps and less than 100 mbps	Greater than or equal to 100 mbps								
<input style="width: 80px; height: 20px;" type="text"/>	<input style="width: 80px; height: 20px;" type="text"/>	<input style="width: 80px; height: 20px;" type="text"/>	<input style="width: 80px; height: 20px;" type="text"/>	<input style="width: 80px; height: 20px;" type="text"/>	<input style="width: 80px; height: 20px;" type="text"/>	<input style="width: 80px; height: 20px;" type="text"/>	<input style="width: 80px; height: 20px;" type="text"/>								

This is the end of PART I.A for Symmetric xDSL. If you are an ILEC you MUST ALSO complete Part I.B for xDSL (asymmetric or symmetric).

Completing and Filing FCC Form 477

FCC Form 477 - Local Telephone Competition and Broadband Reporting

Form 477 Home | Current Form 477 OMB NO: 3060-0816

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: AK, Operations: ILEC , Data as of: Dec 31, 2008

Part I.A: Broadband - Terrestrial Mobile Wireless Technology

In Part I.A, report the number of subscribers whose device and subscription permit them to access the lawful Internet content of their choice at information transfer rates exceeding 200 kbps in at least one direction. For purposes of Part I.A, providers must exclude subscribers whose choice of content is restricted to only customized-for-mobile content, and exclude subscribers whose subscription does not include, either in a bundle or as a feature added to a voice subscription, a data plan providing the ability to transfer, on a monthly basis, either a specified or an unlimited amount of data to and from Internet sites of the subscriber's choice.

Notes specific to Terrestrial Mobile Wireless: (1) Entities that use unlicensed devices to provide commercial broadband Internet access service that can be received at any location within a service footprint must report their subscribers in this category. By contrast, entities that use unlicensed devices to provide broadband Internet access connections to dispersed, fixed end user premises locations must report those subscribers in the Terrestrial Fixed Wireless category. (2) Do not report "Wi-Fi" and other wireless Ethernet, or wireless local area network, applications that only enable local distribution and sharing of a premises broadband facility.

(1) Subscribers whose billing address is in this state and whose device and subscription permit the subscriber to access the lawful Internet content of the subscriber's choice at information transfer rates exceeding 200 kbps in at least one direction	(2) Percentage of (1) that you (including affiliates) equipped over your own local loop facilities or the equivalent	(3) Percentage of (1) that are retail subscriptions billed (or incorporated in a service billed) to end users by you, or your affiliates or agents	(4) Percentage of (1) that are not billed to a corporate, non-corporate business, government or institutional customer account	(5) Percentage of (1) that are not billed to a corporate, non-corporate business, government or institutional customer account and that have information transfer rates exceeding 200 kbps in both directions
10	[]	100.000	100.000	100.000

Break down the total subscribers reported in (1) to show the number in each of the following speed tiers and, for each speed tier, report the percentage of subscribers that are "residential" in the specific sense that their subscriptions are not billed to a corporate, non-corporate business, government or institutional customer account.

	Download information transfer rate to the end user (8 categories):							
	(6) Greater than 200 kbps and less than 768 kbps	(7) Greater than or equal to 768 kbps and less than 1.5 mbps	(8) Greater than or equal to 1.5 mbps and less than 3 mbps	(9) Greater than or equal to 3 mbps and less than 6 mbps	(10) Greater than or equal to 6 mbps and less than 10 mbps	(11) Greater than or equal to 10 mbps and less than 25 mbps	(12) Greater than or equal to 25 mbps and less than 100 mbps	(13) Greater than or equal to 100 mbps
Upload information transfer rate from the end user (9 categories):								
Less than or equal to 200 kbps Percentage Residential	[] %	[] %	[] %	[] %	[] %	[] %	[] %	[] %
Greater than 200 kbps and less than 768 kbps Percentage Residential	[] %	10 [] %	[] %	[] %	[] %	[] %	[] %	[] %
Greater than or equal to 768 kbps and less than 1.5 mbps Percentage Residential	[] %	[] %	[] %	[] %	[] %	[] %	[] %	[] %

Connections

% Residential

FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#) | [Current Form 477](#)

OMB NO: 3060-0816

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: VA, Operations: Non-ILEC , Data as of: Dec 31, 2008

Part I.B

Part I.B: Broadband - Cable Modem

Complete Part I.B for Cable Modem ONLY IF you are a cable system (or an affiliate of a cable system) that is required to complete Part I.A for Cable Modem.

For the purposes of completing Part I.B for Cable Modem:

(1) "Residential end user premises" include residential living units, individual living units in such institutional settings as college dormitories and nursing homes, and other end user locations to which you (including affiliates and agents) market services that are primarily designed for residential use.

(2) The "service area" of a cable system consists of those residential end user premises to which the system can deliver cable television service over cable plant that it owns.

I.B. Report your best estimate of the percentage of residential end user premises in your service area, in this state, to which your Cable Modem connections (with information transfer rates exceeding 200 kbps in at least one direction) could be provided using installed distribution facilities. Providers of Cable Modem connections should base responses on the service area of the affiliated cable systems.

(a) Estimated % of residential end user premises

xDSL or Cable Modem →

THIS IS THE END OF Part I.B for Cable Modem.

Part I.B: Broadband - Terrestrial Mobile Wireless

Complete Part I.B for Terrestrial Mobile Wireless ONLY IF you (including affiliates) are required to complete Part I.A for Terrestrial Mobile Wireless.

Report the number of business and residential subscribers whose mobile devices are capable of sending or receiving data at information transfer rates exceeding 200 kbps in at least one direction.

I.B. Number of subscribers.

(a) Subscribers with devices capable of sending or receiving data at information transfer rates exceeding 200 kbps in at least one direction

Terrestrial Mobile Wireless →

THIS IS THE END OF Part I.B for Terrestrial Mobile Wireless.

Broadband Census Tracts

<u>Section</u>	<u>Slide</u>
Broadband Census Tract Data	22
Manual Census Tract Data Entry	23
Uploading Census Tract Data	27
Upload File Format	30
Address Data	33
Address Data Screen	34

Broadband Census Tract Data

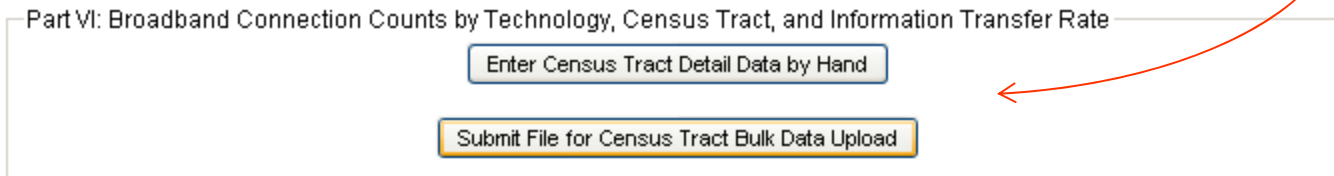
Applies to all broadband technologies
except Terrestrial Mobile Wireless

- Data elements
 - Number of connections by speed tier
 - Percentage that are residential
- Choose data entry method from the Edit Menu

Part VI: Broadband Connection Counts by Technology, Census Tract, and Information Transfer Rate

Enter Census Tract Detail Data by Hand

Submit File for Census Tract Bulk Data Upload



- Include census tracts within your defined service territory (see Instructions) that have no broadband customers
 - Enter a “0” for this census tract in any cell that has broadband connections at the state level

Manual Census Tract Data Entry

- Click “Enter Census Tract Data by Hand”
- Enter technology, county and census tract from *pull-down* menus
- For “Other Technology”
 - Specify the technology in the second box
- Click “Enter data for this Census Tract”
- Only speed tiers that have entries on the statewide screen will accept data
- Enter number of connections and percentage residential for appropriate speed tiers for all but Terrestrial Mobile Wireless
 - If % residential is left blank the number of connections will not be saved
 - If there are no connections for a census tract within your “defined service territory” (see Instructions) enter “0” in any cell that permits input
- For Terrestrial Mobile Wireless, check each box that indicates an available service tier

FCC Form 477 - Local Telephone Competition and Broadband Reporting

Form 477 Home | Current Form 477 OMB NO: 3060-0816

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: AK, Operations: ILEC , Data as of: Dec 31, 2008

Part VI: Broadband by Technology, Census Tract, and Download/Upload Information Transfer Rate Combinations

Select a combination of Census Tract, County, and Technology.

You can use the Federal Financial Institutions Examination Council Geocoding System to look up Census Tract numbers for street addresses.

Census Tract / Technology.

Technology of the connections reported: All Other

If you selected "All Other" you must specify the technology: adfa

Other Technology Description

County: Anchorage Municipality

Census Tract: 1.01

Enter data for this Census Tract

Form 477 Home

Log Out

Pull Down Menus

FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#) | [Current Form 477](#)

OMB NO: 3060-0816

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: AK, Operations: ILEC , Data as of: Dec 31, 2008

Census Tract Detail - Technologies except Terrestrial Mobile Wireless

If you reported broadband connections in Part I.A in a technology category other than Terrestrial Mobile Wireless, you must specify the technology category, identify the Census Tracts in this state in which you had connections in service using that technology, and, for each Census Tract, report the number of connections and the percentage residential in each relevant download/upload information transfer rate combination.

You can use the [Federal Financial Institutions Examination Council Geocoding System](#) to look up Census Tract numbers for street addresses.

Census Tract / Technology: _____
 Technology of the connections: **All Other**
 "Other" technology: **adfa**
 Census Tract: State: **AK** County: **Anchorage Municipality** Census Tract: **1.01**

Connections
 % Residential

		DOWNLOAD INFORMATION TRANSFER RATE.							
		Greater than 200 kbps and less than 768 kbps	Greater than or equal to 768 kbps and less than 1.5 mbps	Greater than or equal to 1.5 mbps and less than 3 mbps	Greater than or equal to 3 mbps and less than 6 mbps	Greater than or equal to 6 mbps and less than 10 mbps	Greater than or equal to 10 mbps and less than 25 mbps	Greater than or equal to 25 mbps and less than 100 mbps	Greater than or equal to 100 mbps
UPLOAD INFORMATION TRANSFER RATE:									
Less than or equal to 200 kbps	Number of Connections:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Percentage Residential:	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %
Greater than 200 kbps and less than 768 kbps	Number of Connections:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Percentage Residential:	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %
Greater than or equal to 768 kbps and less than 1.5 mbps	Number of Connections:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Percentage Residential:	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %
Greater than or equal to 1.5 mbps and less than 3 mbps	Number of Connections:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Percentage Residential:	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %	<input type="text"/> %

FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#) | [Current Form 477](#)

OMB NO: 3060-0816

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: VA, Operations: Non-ILEC , Data as of: Dec 31, 2008

Part VI: Census Tract Detail - Terrestrial Mobile Wireless

If you reported Terrestrial Mobile Wireless subscribers in Part I.A, you must identify those Census Tracts that best represent your mobile wireless broadband service area in this state and, for each Census Tract, you must "click" check marks into the data cells, below, to show the download/upload information transfer rates of the services you offer for the purpose of accessing the lawful Internet content of the subscriber's choice.

You can use the [Federal Financial Institutions Examination Council Geocoding System](#) to look up Census Tract numbers for street addresses.

Census Tract / Technology: _____

Technology of the connections: **Terrestrial Mobile Wireless**

"Other" technology: **adfa**

Census Tract: State: **VA** County: **Alexandria city** Census Tract: **2001.01**

Speed tier is available in this census tract

		DOWNLOAD INFORMATION TRANSFER RATE.							
UPLOAD INFORMATION TRANSFER RATE:		Greater than 200 kbps and less than 768 kbps	Greater than or equal to 768 kbps and less than 1.5 mbps	Greater than or equal to 1.5 mbps and less than 3 mbps	Greater than or equal to 3 mbps and less than 6 mbps	Greater than or equal to 6 mbps and less than 10 mbps	Greater than or equal to 10 mbps and less than 25 mbps	Greater than or equal to 25 mbps and less than 100 mbps	Greater than or equal to 100 mbps
Less than or equal to 200 kbps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Greater than 200 kbps and less than 768 kbps	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Greater than or equal to 768 kbps and less than 1.5 mbps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Greater than or equal to 1.5 mbps and less than 3 mbps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Greater than or equal to 3 mbps and less than 6 mbps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Greater than or equal to 6 mbps and less than 10 mbps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Uploading Census Tract Data

- Click “Submit File for Census Tract Bulk Data Upload”
 - The screen on the next page appears
- Browse to find the file to upload
 - See file format specification on screens 30 and 31
 - Note: There can only be one record for a census tract, technology and speed tier combination
- If census data previously was entered, choose
 - Replace – erases all existing data
 - Merge – replaces data with that in the new file
 - Append – adds to existing data
- If no census data has been entered these choices will not appear on the upload screen

FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#) | [Current Form 477](#)

OMB NO: 3060-0816

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: KS, Operations: ILEC , Data as of: Dec 31, 2008

You can submit census tract data in one or more upload files. To process multiple files, run the upload function for each file. The file(s) must be a comma delimited file with one row per census tract / upload rate / download rate / technology combination. Individual upload files must contain not more than 100,000 rows.

As the upload function runs, you can monitor the progress in your browser. Leave your browser open and do not open other pages in the browser tab or session as the upload proceeds. This process uses URL redirection, if URL redirection is disabled in your browser settings the process will not complete. The process may take some time for larger data sets.

Census Tract Data File Upload

File Name → File to upload:

Replace, Merge or Append → File upload type:

- Replace** all Census Tract information for this submission with the data in this file (Note: this will first **delete all** Census Tract detail data previously entered for this state, then upload the new data. It will not overwrite state-level data entered in Part I.)
- Merge** this Census Tract information with the existing data for this submission (Note: use this option to correct and / or augment existing tract-level data as well as accept new tract-level data.)
- Append** this Census Tract information to the existing data for this submission (Note: this will add new tract-level data. Do not use this option to correct previously entered tract-level data. Attempting to do so will generate an error.)

Error Messages: On* Off

* The Error Messages option is much slower to process and is not recommended for large data sets.

Uploading Census Tract Data (cont)

- For “Other Technology”
 - Choose an existing code from the box “Technology Codes (other)” or
 - Add a code by clicking “Enter a new “Other” Technology Code then entering a description and clicking “Save this new Code”
 - Put “0” in field 5 and the code in field 6 of the upload file
- For Terrestrial Mobile Wireless
 - Only a list of those Census Tracts that best represent your mobile wireless broadband service area is required
 - Put “1” in field 7 and “0” in field 8 for each such census tract
- For large file uploads
 - There is a *limit of 100,000 records per file*
 - For more records use “Append” for subsequent files
 - Choose “Error Messages Off” to speed the process

Upload File Format

Position	Value	Data Type	Description
1	County FIPS	Integer 3 digit	County FIPS Code (see reference table below). The County is a part of the Census Tract definition.
2	Census Tract	Decimal number. Up to four digits before the decimal, up to two digits after.	Census Tract value. Census tracts are represented as numbers with a decimal, such as "3042.00".
3	Upload Rate	Integer	Upload Rate as defined in the "Rates" table detailed below.
4	Download Rate	Integer	Download Rate as defined in the "Rates" table detailed below.
5	Technology Code	Integer	Technology Code as defined in the table below. Note that the values and percentages for "Terrestrial Mobile Wireless" Technology will behave differently than all other technologies. For the purpose of this data upload, when compiling your file for submission, assign "Percentage Residential" of 100% and value of "1" for any census tracts containing data for "Terrestrial Mobile Wireless".
6	Technology Code Other	Integer or empty	This is for Technology Types which do not exist in the assigned list of Technologies. Note that "Ethernet" is not a valid "Other" technology code. If you use Technology Code Other, then the value for "Technology Code" <u>must</u> be '0' (numeric zero). Leave this field blank (two consecutive commas) for the standard technology codes.
7	Number of Connections	Integer	Number of connections in this census tract for this combination of technology code, upload rate, download rate.
8	Percentage Residential	Number between 0 and 100. Three decimal places	The percentage of connections for this combination of technology code, upload rate, download rate which are "Residential". The format for percentage data input is "XXX.XXX". For example, if 1/2 of the connections in a census tract are residential, enter "50" or "50.000" for this value. "0.50" will be translated as one half of one percent.

Upload File Codes

Upload Rates	
Rate Code	Description
1	Less than or equal to 200 kbps
2	Greater than 200 kbps and less than 768 kbps
3	Greater than or equal to 768 kbps and less than 1.5 mbps
4	Greater than or equal to 1.5 mbps and less than 3 mbps
5	Greater than or equal to 3 mbps and less than 6 mbps
6	Greater than or equal to 6 mbps and less than 10 mbps
7	Greater than or equal to 10 mbps and less than 25 mbps
8	Greater than or equal to 25 mbps and less than 100 mbps
9	Greater than or equal to 100 mbps

Download Rates	
Rate Code	Description
2	Greater than 200 kbps and less than 768 kbps
3	Greater than or equal to 768 kbps and less than 1.5 mbps
4	Greater than or equal to 1.5 mbps and less than 3 mbps
5	Greater than or equal to 3 mbps and less than 6 mbps
6	Greater than or equal to 6 mbps and less than 10 mbps
7	Greater than or equal to 10 mbps and less than 25 mbps
8	Greater than or equal to 25 mbps and less than 100 mbps
9	Greater than or equal to 100 mbps

Technology Codes	
Technology Code	Description
1	Asymmetric xDSL
2	Symmetric xDSL
3	Other Wireline
4	Cable Modem
5	Optical Carrier (fiber to the end user)
6	Satellite
7	Terrestrial Fixed Wireless
8	Terrestrial Mobile Wireless
9	Electric Power Line
0	All Other

Technology Codes (Other)	
This code requires the entry of "0" for "Technology Code."	
Other Technology Code	Description
1	adfa
2	fyky

[Enter a new "Other" Technology Code](#)

FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#) OMB NO: 3060-0816

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: KS, Operations: ILEC Data As Of Dec 31, 2008

Database Query to get Other Technology Codes Failed.

Technology Codes (Other) This code requires the entry of "0" for "Technology Code."	
Technology Code	Description

If the technology Code you wish to use does not appear in the list below, you can enter a new technology code for submission to Form 477.

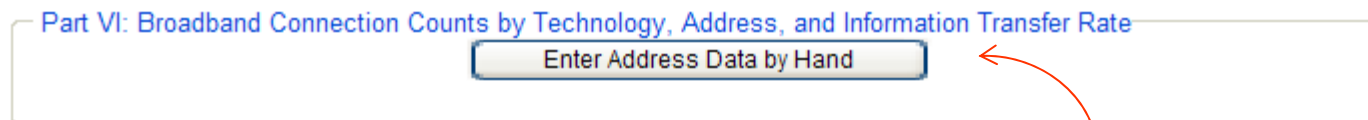
New "Other" Technology Code:

Other Technology Description

Entering Address Data

Applies only to filers having authorization to submit address data in lieu of census tract data

- After entering State Totals for at least one technology
 - The following box appears below Part IV in the Submission Menu



- Click “Enter Address Data by Hand”
- The following screen appears

FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#) | [Current Form 477](#) OMB NO: 3060-0816

Form 477 Submission for FRN: 16116287, Company: b, State: TX, Operations: Non-ILEC , Data as of: Dec 31, 2008

Part VI: Broadband by Technology, Address, and Download/Upload Information Transfer Rate Combinations

Your FRN has been authorized to submit address data in lieu of census tract totals.

Type a street number and street name into the first Address line, below, and specify the broadband Technology at that address.

Address / Technology
Please note: The unique identifier for address data is the first line of the address, with either a city / state / zip code combination or latitude / longitude coordinates. In order to enter sites based on specific coordinates for which there are no corresponding addresses, assign each site a unique descriptive name (such as "Site 1", "Site 2", etc.) in the address field.

Technology of the connections reported: ← Pull-Down Menu

Complete Address { Address : (required)

County: ← Pull-Down Menu

City, State, Zip , TX, ← Pull-Down Menu

Coordinates Degree, Min, Sec →

Coordinates

Latitude: Degrees Minutes Seconds N S

Longitude: Degrees Minutes Seconds W E

Entering Address Data (cont)

- In the appropriate boxes
 - Select the relevant technology from the pull-down menu
 - Enter
 - a full address *or*
 - the first line of an address and a set of latitude/longitude coordinates
 - Use the pull-down menus to choose the county and state
 - When entering Latitude and Longitude information enter values for degrees, minutes and seconds, even if they are zero

Telephony Data

<u>Section</u>	<u>Slide</u>
Local Exchange Service	37
Interconnected VoIP Service	39
Mobile Local Telephone	41
ZIP Code Information	43

Local Exchange Service

Applies to Providers of Local Exchange Service

- Under “Data Section” of the Submission Menu,
 - Click “Part II.A: Local Exchange Telephone Service”
 - The screen on the next page appears
- On the Local Exchange Telephone Service screen
 - Enter the number of end user lines in (1)(a)
 - Enter the percentages in the remainder of column (1)
 - Entries are required even if they are “0”
 - Entries (1)(e) - (1)(h) must sum to 100
 - Enter lines to other than end users in columns (2)-(4) which are
 - Resale, UNE-L and UNE-P, respectively

Completing and Filing FCC Form 477

FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#) | [Current Form 477](#) OMB NO: 3060-0816

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: VA, Operations: Non-ILEC , Data as of: Dec 31, 2008

Part II.A: Local Exchange Telephone Service

Local exchange carriers (LECs) with end user customers for local exchange service must complete Part II.A. See instructions for definitions of terms used in this Part. If you report lines provided to end users in column (1), you must also complete Part V of Form 477.

(Reminder: Do not report anywhere in FCC Form 477 special access circuits that only carry voice traffic between an end user and an interexchange carrier point of presence or high-capacity connections between two locations of the same end user customer, Internet Service Provider (ISP), or communications carrier.)

	(1)	(2)	(3)	(4)
	Voice-grade equivalent lines and voice-grade equivalent wireless channels in service to your end user customers	Voice-grade equivalent lines you provided to unaffiliated communications carriers under resale arrangements including, among others, commercial agreements that replaced UNE-P and resold services such as local exchange, Centrex, and channelized special access	Lines you provided to unaffiliated communications carriers under any UNE loop arrangement where you did not also provide UNE switching for the line. (Do not convert UNEs to voice-grade equivalents.)	Lines you provided to unaffiliated communications carriers as UNE-P. (Do not convert UNEs to voice-grade equivalents.)
(a) Total number. See instructions on what to include.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(b) Percentage of (a) that are residential lines	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(c) Percentage of (a) for which you (including affiliates) are the presubscribed interstate long distance carrier	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(d) Percentage of (a) used for residential service AND for which you (including affiliates) are the presubscribed interstate long distance carrier	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(e) Percentage of (a) provided over your own (including affiliates) local loop facilities or the equivalent	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(f) Percentage of (a) provided over UNE loops obtained from an	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

End-User Lines or Wireless Channels

Resold Lines

UNE-L Lines

UNE-P Lines

Interconnected VoIP Service

Applies to Providers of Interconnected VoIP Service

- Under “Data Section” of the Submission Menu,
 - Click “Part II.B: Interconnected VoIP Service ”
 - The screen on the next page appears
- On the Interconnected VoIP screen
 - Enter the number of iVoIP subscriptions purchased *without a separate broadband subscription* in (1)(a)
 - Applies to cable operators who provide a customer VoIP but not broadband, as well as VoIP providers without end user connections
 - Enter the percentages in the remainder of column (1)
 - Entries are required even if they are “0”
 - Enter subscriptions purchased *with* broadband in (2)(a)
 - If (2)(a) is not “0,” complete (2)(b) – (h) even if these entries are “0”
 - If (2)(a) is not “0,” the sum of (2)(d) – (2)(h) must be 100
 - Enter wholesale customers in (3)(a)

Completing and Filing FCC Form 477

FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#) | [Current Form 477](#) OMB NO: 3060-0816

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: VA, Operations: Non-ILEC , Data as of: Dec 31, 2008

Part II.B: Interconnected VoIP Service

See instructions for definitions of terms used in this Part. If you report end user subscriptions in (1) - (2), you must also complete Part V of Form 477.

Reporting by State: Subscriptions reported in (1) must be reported in the state of the subscriber's "Registered Location" as of the data-collection date. (This is the most recent information obtained by an interconnected VoIP service provider that identifies the physical location of the end user. See 47 C.F.R. § 9.3.) Subscriptions reported in (2) must be reported in the same state as the broadband connection purchased in conjunction with the VoIP service.

	(1) VoIP subscriptions that end users purchased from you without also purchasing a broadband connection from you	(2) VoIP subscriptions that end users purchased from you in conjunction with the purchase of a broadband connection	(3) Wholesale customers who purchased your VoIP service to resell as their own VoIP service
iVoIP Subscriptions			
(a) Total number. See instructions on what to include.	<input type="text"/>	<input type="text"/>	<input type="text"/>
(b) Percentage of (a) provided under residential grade service plans	<input type="text"/>	<input type="text"/>	
(c) Percentage of (a) purchased under terms that allow use with any broadband connection ("nomadic" functionality)	<input type="text"/>	<input type="text"/>	
(d) Percentage of (a) provided in conjunction with a copper wire-based broadband connection (DSL or Other Wireline)		<input type="text"/>	
(e) Percentage of (a) provided in conjunction with a fiber-to-the-end user broadband connection		<input type="text"/>	
(f) Percentage of (a) provided in conjunction with a Cable Modem broadband connection		<input type="text"/>	
(g) Percentage of (a) provided in conjunction with a fixed wireless broadband connection		<input type="text"/>	
(h) Percentage of (a) provided in conjunction with any other type of broadband connection		<input type="text"/>	

Save and Return to Edit Menu

Mobile Local Telephone

Applies to Providers of Mobile Local Telephone Service

- Under “Data Section” of the Submission Menu,
 - Click “Part III: Mobile Local Telephone”
 - The screen on the next page appears
- On the Mobile Local Telephone screen
 - Enter the number of mobile voice subscribers in (1)(a)
 - Enter the percentages that you directly bill or that are prepaid in (1b)
 - If you complete (1)(a) you must enter a percentage in (1)(b)
 - Percentages may have up to three figures after the decimal

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: VA, Operations: Non-ILEC , Data as of: Dec 31, 2008

Part III: Mobile Local Telephone

In Part III, report cellular, PCS, and other mobile voice telephony subscribers in the state that you served over your own facilities. Include directly billed subscribers, pre-paid subscribers, and subscribers served via resellers. Count a subscriber as a mobile handset, car-phone, or other revenue-generating active voice unit that has a unique phone number and that can place and receive calls from the public switched telephone network. Subscriber counts by state should be based on the area codes of the phone numbers provided to subscribers.

Mobile Voice Subscriptions →

(1) Mobile voice telephony subscribers in service and served over your own facilities

(a) Total number

Percentage of (a) that are directly billed or pre-paid subscribers

[Save and Return to Edit Menu](#)

[Form 477 Home](#)

[Log Out](#)

ZIP Code Information

Applies to Providers of Local Exchange Service
and Interconnected VoIP

- Under “Data Section” of the Submission Menu,
 - Click “Part V: ZIP Code Information”
 - The screen on the next page appears
- On the ZIP Code information screen
 - List all 5-digit ZIP Codes in the state in which you had end user customer local exchange lines or VoIP subscriptions
 - ZIP Codes may be delimited by
 - Commas
 - Spaces
 - Carriage returns

FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#) | [Current Form 477](#)

OMB NO: 3060-0816

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: VA, Operations: ILEC , Data as of: Dec 31, 2008

Part V: Zip Code Information -- Local Voice Telephone Service and Interconnected VoIP

If you reported local exchange telephone lines in service to your end user customers, in Part II.A (1), or VoIP subscriptions that end users purchased from you, in Part II.B (1) or (2), you must list the 5-digit ZIP Codes in the state in which you had end user customers. Do not include any ZIP Codes in which you offered your local exchange telephone or VoIP service but had no end user customers, and do not include any out-of-state ZIP Codes.

Type all five digit ZIP codes in the following text box, separated by either commas, spaces, or carriage returns:

```
22102,22103,22210  
22532 22540  
22739
```

ZIP Code
Formats

Explanations and Comments

- Under “Data Section” of the Submission Menu,
 - Click “Part IV: Explanations and Comments ”
 - The screen on the next page appears
- On the Explanations and Comments screen
 - Enter each comment on a separate line
 - Identify the Part and Question to which each comment pertains
- Examples of Comments
 - Explain significant differences from previous filings
 - Identify “Other Technologies” for which you have broadband connections

FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Home](#) | [Current Form 477](#)

OMB NO: 3060-0816

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: VA, Operations: ILEC , Data as of: Dec 31, 2008

Part IV: Explanations and Comments

The following text box provides space for explanatory notes about reported data. Identify the Part and question to which each comment pertains.

Part I, Asynchronous xDSL, Column 1
This number is very low due to the fact that our "basic" plan does not exceed 200 kbps in BOTH directions

Part II, Column 5 ←
Significant loss of lines since last reporting period due to competition

Free form field

Identify Part and Column for each comment

Save and Return to Edit Menu

Submitting and Reopening a Form

<u>Section</u>	<u>Slide</u>
Submitting a Form	48
Reopening a Form	50

Submitting a Form

- From the Submission menu,
 - Click the link “Submit this submission as complete”
 - This will bring up the “Change Status” menu

Change Status of Current Form 477 Submission

This page allows you to change the status of the current Form 477 Submission. Select the new status and click "Change Status" to update.
The current status is **Original - In Progress**.

This option will officially submit the data in this Form 477 to the FCC as complete.

Change Status

- Click the option button next to the text “This option will officially submit the data in this Form 477 to the FCC as complete”
- Click “Change Status”

Submitting a Form (cont)

- The system will run tests in the background
 - If the form is valid
 - The system will display a page with the notice reading “This Submission was accepted”
 - The submission menu items will now be protected, *only allowing viewing and not editing*
 - If the form is not valid
 - The system will display error messages to help locate incorrectly entered data
 - Click the link entitled “Return to Current Submission Menu”
 - Note that the status is still listed as “Original – In Progress” or “Revised – In Progress” as it was before trying to submit it

Re-opening a Form

- Click the “View” Link from the main menu
 - You will see the Submission menu for a previously successful submission
- The status is “Original (or Revised) – Submitted.”
- Click the link “Revise this Submission.”
 - The status change window will appear as, for example:

Change Status of Current Form 477 Submission

This page allows you to change the status of the current Form 477 Submission. Select the new status and click "Change Status" to update.
The current status is **Revised - Submitted.**

This option will re-open this Form 477 submission in order to submit a revision.

Change Status

- Click the re-open option button
- Click “Change Status” to re-open the file for revision

Helpful Hints

1. Enter the FRN without spaces or hyphens at the Login screen
2. Always start a new state submission by entering applicable data in Parts I, II, and III before entering anything in Parts IV, V, and VI
3. The “Number of Connections” value must be an integer in Part I.A and in Part VI
4. If a “Number of Connections” is entered in Part VI, then you must enter the corresponding “Percentage Residential”
5. Percentages must be from 0 to 100, and can include up to three numbers after the decimal point
6. A Terrestrial Mobile Wireless upload file record should have one (1) and zero (0) as the last two entries respectively
7. For any broadband speed tier the sum of the entries for all census tracts in Part VI must equal the state total for that speed tier as shown in Part I.A
8. There can only be one upload record for a census tract, technology and speed tier combination

Helpful Hints (cont)

9. There is a limit of 100,000 records for an individual upload file; multiple files may be uploaded using the Append option
10. Turn the “Error Messages” option off when uploading a large file or it may take a very long time
11. Click “View/Edit” at the bottom of the Submission Menu to see and/or modify census tract data you have entered
The button “Enter Census Tract Detail Data by Hand” only allows submission of entirely new data and will overwrite any previously entered data
12. If you enter data in Part I.A under “All Other” you must enter the technology when completing Part VI and also put this information into Part IV, Comments
13. If you enter data in Part II then you must enter ZIP codes in Part V
14. Latitude and Longitude entries must have degrees, minutes and seconds even if they are zero

Useful Hyperlinks (Hot Links)

<u>Link</u>	<u>Purpose</u>
Form 477 Main	Display Main Menu
Form 477 Submission for FRN: xxx	Display Cover Page
Current Form 477	Display Submission Menu
View/Edit Census Tract Detail Data (nn records)	View or change previously entered census tract data
Submit this submission as complete	Submit, or reject and display error messages
Log Out	Logs user out and displays login menu

Resources

- Start with the FCC Form 477 Home Page
 - www.fcc.gov/form477/
 - Or go to the FCC Forms Page
 - www.fcc.gov/formpage.html
- Review the FCC Form 477 Instructions
 - <http://www.fcc.gov/Forms/Form477/477inst.pdf>
- Check the Frequently Asked Questions (FAQs)
 - <http://www.fcc.gov/form477/techfaqs.html>
- Consult the System Guide for system information
 - <http://www.fcc.gov/Forms/Form477/477systemguide.pdf>
- Send an email to
 - 477info@fcc.gov
- Call the Industry Analysis and Technology Division
 - 202-418-0940

Appendix: Complete Table of Contents

<u>Section</u>	<u>Slide</u>
Overview	3
Getting Started	5
New Submissions	7
Creating a new Submission	8
Cover Page Example	9
Edit Menu	10
Edit Menu Graphic	11
Exiting a Page	12
Broadband Data	13
Broadband Example - xDSL	14
Asymmetric xDSL Screen	15
Cable Modem Screen	16
Other Broadband Screens	17
Symmetric xDSL	18
Terrestrial Mobile Wireless	19
Part I.B. Data - availability	20
Broadband Census Tracts	21
Broadband Census Tract Data	22
Manual Census Tract Data Entry	23
Uploading Census Tract Data	27
Upload File Format	30
Address Data	33
Address Data Screen	34
Telephony Data	36
Local Exchange Service	37
Interconnected VoIP Service	39
Mobile Local Telephone	41
ZIP Code Information	43
Explanations and Comments	45
Submitting and Reopening a Form	47
Submitting a Form	48
Reopening a Form	50
Helpful Hints, Hyperlinks, and Resources	51
3/11/2009	55