

Completing and Filing FCC Form 477

Local Telephone Competition
and Broadband Reporting

Feb 22, 2010

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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 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)

Overview (cont)

- The Form 477 application
 - Available at <https://specialreports.fcc.gov/wcb/Form477/>
 - Implements FCC orders 08-89 (23 FCC Rcd 9691) and 08-148 (23 FCC Rcd 9800)
 - Enhances broadband and local telephone competition data collection
- More information is at the URL <http://www.fcc.gov/Form477>
- Begin at the Login screen (next slide)

FCC Form 477 - Local Telephone Competition and Broadband Reporting

[Form 477 Instructions](#)

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.

FRN (no dashes or spaces; enter 10 digits including any leading zeros):

Required Input → Password:

Accessible Version (designed for ease of use with screen reading applications for the visually impaired): 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 the CORES site if you click the FCC Registration System link 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 use with screen reading applications for the visually impaired
- Click the “Login” button
- You will now see the Main Menu (Form 477 Home Page)

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. **IMPORTANT: You MUST create a new submission for your Dec 31, 2009 data. The "Data as of" date on your submission of Jun 30, 2009 data CANNOT be changed.**

Create New Form 477

Data as of: Dec 31, 2009 State: Alabama Operations: ILEC Non-ILEC

Existing Form 477 Submissions:

Existing Form 477 Submissions Data as of Dec 31, 2009

| Status | State | Operations | View/Edit By Part | Revise/Submit |
|------------------------|----------------|------------|--|---------------------------------------|
| Original - In Progress | Arizona | Non-ILEC | <input type="button" value="View/Edit"/> | <input type="button" value="Submit"/> |
| Revised - In Progress | California | Non-ILEC | <input type="button" value="View/Edit"/> | <input type="button" value="Submit"/> |
| Original - In Progress | Hawaii | ILEC | <input type="button" value="View/Edit"/> | <input type="button" value="Submit"/> |
| Revised - In Progress | Montana | Non-ILEC | <input type="button" value="View/Edit"/> | <input type="button" value="Submit"/> |
| Revised - In Progress | South Carolina | Non-ILEC | <input type="button" value="View/Edit"/> | <input type="button" value="Submit"/> |

Click to Select State

Existing Forms

Existing Form 477 Submissions Data as of Jun 30, 2009

| Status | State | Operations | View/Edit By Part | Revise/Submit |
|------------------------|----------|------------|--|---------------------------------------|
| Revised - In Progress | Alabama | Non-ILEC | <input type="button" value="View/Edit"/> | <input type="button" value="Submit"/> |
| Original - In Progress | Alabama | ILEC | <input type="button" value="View/Edit"/> | <input type="button" value="Submit"/> |
| Original - In Progress | Florida | Non-ILEC | <input type="button" value="View/Edit"/> | <input type="button" value="Submit"/> |
| Original - In Progress | Florida | ILEC | <input type="button" value="View/Edit"/> | <input type="button" value="Submit"/> |
| Revised - In Progress | Kansas | ILEC | <input type="button" value="View/Edit"/> | <input type="button" value="Submit"/> |
| Original - In Progress | Maryland | Non-ILEC | <input type="button" value="View/Edit"/> | <input type="button" value="Submit"/> |

New Submissions

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Creating a new Submission

- Select the state from the drop-down list (see slide 7)
- Click “Select State” to see

Create New Form 477


Data as of: Dec 31, 2009 State: Alabama Operations: ILEC Non-ILEC

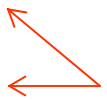
- Select ILEC or Non-ILEC for Operations
 - May be changed later but not if it will duplicate another form
- Click “Create New” to see the Cover Page
- Complete the Cover Page (next slide)
 - Select a name for item 4, the common-control name, from the drop-down box
 - Review the pre-selected choice for item 9
 - Enter contact information in items 6, 7, 10, and 11
 - Click the button “Save and Go to Submission Menu”

Completing and Filing FCC Form 477

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: AZ, Operations: Non-ILEC, Data as of Dec 31, 2009

All filers must complete Items 1 through 11 below

| Data Description | Value |
|--|--|
| Data as of | Dec 31, 2009 |
| 1. FRN | 18461806 |
| 2. Company | tom telephone |
| 3. Type of Operations | <input type="radio"/> ILEC <input checked="" type="radio"/> 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. Select "not shown" if no appropriate name appears in the list. | @ Communications, Inc.  |
| If you selected "not shown" above, type in the single name that will identify all commonly-owned or commonly-controlled filers. | |
| 5. State | AZ |
| 6. Contact person (person who prepared the submitted data) | Tom Jones |
| 7. Contact person telephone number and email address | Phone: 602-555-1234 |
| | Email: tj@comm.com |
| 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). | Tom Doe |
| 11. Certifying official telephone number and email address | Phone: 602-555-5555 |
| | Email: tdi@comm.com |



Previous Round Filings

- If you filed in a previous round
 - On the Cover Page you should see a list of previously entered state submissions in the section “Existing Form 477 Submissions:”
 - Under “Create New Form 477,” “Dec 31, 2009” will be the default selection
 - Select a state for which you previously entered data
 - Click “Create New” to display the Cover Page
 - Note that all fields except 10 and 11 are pre-filled
 - Update as necessary and complete items 10 and 11
 - Click “Save and Return to Submission Menu”

Note: System will pre-fill only Cover Page information

Submission (Edit) Menu

- Clicking “Save and Return to Submission Menu” displays the Submission (or Edit) Menu (next two slides)
- Facilities-based providers of broadband connections to end users must file Parts I.A. and VI
- Wired and wireless local telephone service providers must complete Parts II.A and V
- Mobile telephony providers must complete Part III
- Interconnected VoIP providers must complete Parts II.B and V
- At any time you may print parts of the filing for which you have entered data

FCC Form 477 - Local Telephone Competition and Broadband Reporting

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

Form 477 Submission for FRN: 18461806, Company: tom telephone -- Ellen Testing, State: HI, Operations: ILEC, Data as of: Dec 31, 2009 (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 | Data Entered |
| <input type="checkbox"/> Part I.A: Broadband - Other Wireline | No data for this category. |
| <input type="checkbox"/> Part I.A: Broadband - Cable Modem | No data for this category. |
| <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 | Data Entered |
| <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 | Data Entered |
| <input type="checkbox"/> Part II.A: Local Exchange Telephone Service | Data Entered |
| <input type="checkbox"/> Part II.B: Interconnected VoIP Service | Data Entered |
| <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. |
| <input type="checkbox"/> Part V: Zip Code Information -- Local Voice Telephone Service and Interconnected VoIP | 8 Zip Codes On File. |

Part I.A. choices

Parts II-V

Submission Menu (2)

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

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

[View/Edit Census Tract Detail Data \(24339 records\)](#)

Print Form

Select one of the following and click OK to see a preview of what will print. Then use your browser's capability to print or save the document.

- Cover Page
- Part I
- Part II
- Part III
- Part IV
- Part V
- Part VI
- Complete Report including all Part VI detail
- Complete Report without Part VI
- Errors/Warnings

[OK](#)

Options for this Submission

The current status for this Form 477 Submission is **Original - In Progress**.

[Submit this submission as complete](#)

[Delete this Submission](#)

[Data File Upload For All Parts](#)

Previously uploaded XML files:

Exiting a Page

- Most screens 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 Submission Menu” to save the data on the screen and continue with this filing
 - “Current Form 477” to return to the Submission Menu without saving
 - “Log Out” to log out of the system and display the Login screen
 - “Form 477 Instructions” (at any time) to see the instructions in another window

Broadband Data

| <u>Section</u> | <u>Slide</u> |
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Entering Broadband Data

- Under “Data Section” of the Submission Menu
 - Click “Part I.A: Broadband - xxx” where xxx is any of the 10 technologies listed
 - This displays the state totals section for that technology
 - See Asymmetric xDSL example on slide 19 and the Cable Modem screen (slide 20) following it
 - Screens for most other broadband technologies are the same
 - See slide 21 for exceptions

Broadband Example - xDSL

- Enter on the “Part I.A: Broadband – xxx” form (next slide)
 - 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
 - Columns (1) through (5) 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 try to 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

Form 477 Submission for FRN: 18461806, Company: tom telephone -- Ellen testing, State: CA, Operations: Non-ILEC, Data as of Dec 31, 2009

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. (Enter 0 if the true value is 0 percent.) | Percentage of (1) that are billed (or incorporated in a service billed) to end users by you, or your affiliates or agents. (Enter 0 if the true value is 0 percent.) | Percentage of (1) that connect to residential end users. (Enter 0 if the true value is 0 percent.) | Percentage of (1) that connect to residential end users and have information transfer rates exceeding 200 kbps in both directions. (Enter 0 if the true value is 0 percent.) | |
| | 3556813 | 0.000 | 0.000 | 88.123 | 88.123 |

Break down the total connections reported in (1) to show the non-zero number in each of the following speed tiers. If the number of connections in a particular speed tier is zero, leave that data cell blank.

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 | | | | | | | | |
| Greater than 200 kbps and less than 768 kbps | 403912 | 1142530 | 1160930 | 532726 | | | | |
| Greater than or equal to 768 kbps and less than 1.5 mbps | | 61063 | 128133 | 103633 | 15487 | 8399 | | |
| Greater than or equal to 1.5 mbps and less than 3 mbps | | | | | | | | |

Completing and Filing FCC Form 477

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: AZ, Operations: Non-ILEC, Data as of Dec 31, 2009

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) | (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. (Enter 0 if the true value is 0 percent.) | Percentage of (1) that are billed (or incorporated in a service billed) to end users by you, or your affiliates or agents. (Enter 0 if the true value is 0 percent.) | Percentage of (1) that connect to residential end users. (Enter 0 if the true value is 0 percent.) | Percentage of (1) that connect to residential end users and have information transfer rates exceeding 200 kbps in both directions. (Enter 0 if the true value is 0 percent.) |
| 22435 | 100.000 | 100.000 | 89.000 | 89.000 |

Break down the total connections reported in (1) to show the non-zero number in each of the following speed tiers. If the number of connections in a particular speed tier is zero, leave that data cell blank.

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).

| 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 | | | | | | | | |
| Greater than 200 kbps and less than 768 kbps | | | | | | | | |
| Less than or equal to 200 kbps | | | | | | | | |
| Greater than 200 kbps and less than 768 kbps | | | | | | | | |

Other Broadband Screens

- Part I.A. “Symmetric xDSL” and “Other Wireline” data both contain only one row for columns (6) through (13) because they are symmetric (next slide)
- Part I.A. Terrestrial Mobile Wireless data contains a percentage residential in the statewide totals (slide 23)
 - Entering connections for a particular speed tier requires an associated percentage residential entry
 - These providers do not enter census tract connections
- ILECs completing Part I.A. for xDSL, and Terrestrial Mobile Wireless (TMW) and Cable Modem (CM) providers must complete Part I.B (slide 24)
 - ILECs and CM providers estimate % residential availability
 - TMW providers estimate number of broadband capable devices
Note: this number is greater than the subscribers reported in I.A

Completing and Filing FCC Form 477

Form 477 Submission for FRN: 18461806, Company: tom telephone -- Ellen testing, State: CA, Operations: Non-ILEC, Data as of Dec 31, 2009

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.)

| 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. (Enter 0 if the true value is 0 percent.) | Percentage of (1) that are billed (or incorporated in a service billed) to end users by you, or your affiliates or agents. (Enter 0 if the true value is 0 percent.) | Percentage of (1) that connect to residential end users. (Enter 0 if the true value is 0 percent.) | Percentage of (1) that connect to residential end users and have information transfer rates exceeding 200 kbps in both directions. (Enter 0 if the true value is 0 percent.) |
| 1632 | 0.000 | 0.000 | 6.189 | 6.189 |

Break down the total connections reported in (1) to show the non-zero number in each of the following speed tiers. If the number of connections in a particular speed tier is zero, leave that data cell blank.

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) | (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 | 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 |
| 1632 | | | | | | | | | | | | | | | |

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).

Save and Return to Submission Menu

[Form 477 Home](#)

[Log Out](#)

Completing and Filing FCC Form 477

Form 477 Submission for FRN: 18461806, Company: tom telephone -- Ellen Testing, State: HI, Operations: ILEC, Data as of Dec 31, 2009

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) | (2) | (3) | (4) | (5) |
|---|--|--|--|---|
| 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. | Percentage of (1) that you (including affiliates) equipped over your own local loop facilities or the equivalent. (Enter 0 if the true value is 0 percent.) | Percentage of (1) that are retail subscriptions billed (or incorporated in a service billed) to end users by you, or your affiliates or agents. (Enter 0 if the true value is 0 percent.) | Percentage of (1) that are not billed to a corporate, non-corporate business, government or institutional customer account. (Enter 0 if the true value is 0 percent.) | 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. (Enter 0 if the true value is 0 percent.) |
| 100 | | 0.000 | 0.000 | 0.000 |

Break down the total subscribers reported in (1) to show the non-zero number in each of the following speed tiers. If the number of subscribers in a particular speed tier is zero, leave that data cell blank. For each speed tier with a non-zero number of subscribers, also 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):

Connections
% Residential

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) |
| | 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 Percentage Residential | | | | | | | | |
| Greater than 200 kbps and less than 768 kbps Percentage Residential | | | | | | | | |

Form 477 Submission for FRN: 18461806, Company: tom telephone -- Ellen Testing, State: HI, Operations: ILEC, Data as of Dec 31, 2009

Part I.B: Broadband - xDSL (asymmetric or symmetric)

Complete Part I.B for xDSL (asymmetric or symmetric) ONLY IF you are an ILEC (or an affiliate of an ILEC) that was required to complete Part I.A for Asymmetric xDSL and/or Part I.A for Symmetric xDSL.

For the purposes of completing Part I.B for xDSL (asymmetric or symmetric):

- (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 an ILEC consists of those residential end user premises to which the ILEC can deliver telephone service over local loop facilities (or the fixed-wireless last mile equivalent) 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 DSL connections (with information transfer rates exceeding 200 kbps in at least one direction) could be provided using installed distribution facilities. Providers of xDSL connections should base responses on the service area of the affiliated ILECs.

(a) Estimated % of residential end user premises

xDSL or Cable Modem

THIS IS THE END OF PART I.B for xDSL (asymmetric and symmetric).

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.

Terrestrial Mobile Wireless

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

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

Save and Return to Submission Menu

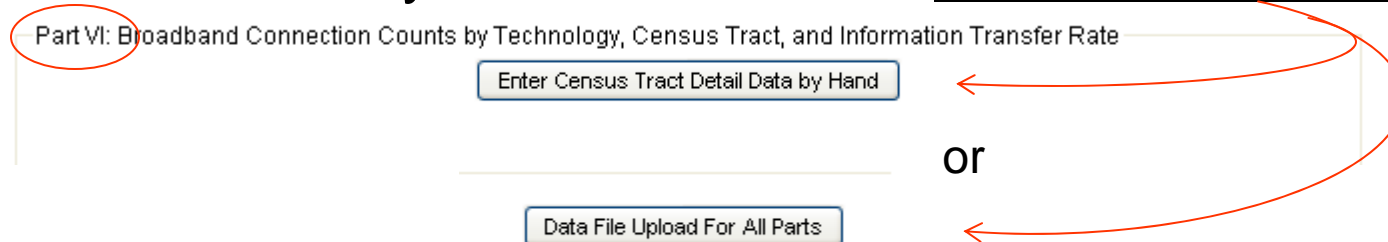
Broadband Census Tracts

| <u>Section</u> | <u>Slide</u> |
|--------------------------------|--------------|
| Broadband Census Tract Data | 26 |
| Manual Census Tract Data Entry | 27 |
| Uploading Census Tract Data | 31 |
| Upload File Format | 34 |
| Census Tract Data Reminders | 36 |
| Uploading Part I-V data | 37 |
| Address Data | 38 |
| Address Data Screen | 39 |

Broadband Census Tract Data

Applies to all broadband technologies
except Terrestrial Mobile Wireless

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



- Include census tracts within your defined service territory (see Instructions) that have no broadband customers
 - Enter “0” in any cell that permits connections and also in the corresponding cell for percentage residential

Manual Census Tract Data Entry

- Click “Enter Census Tract Data by Hand” to see next slide
- 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” to see slide 29
 - Note: All boxes will be clear (not grey) if using Internet Explorer
- Enter number of connections and percentage residential for appropriate speed tiers for all but Terrestrial Mobile Wireless
 - Only speed tiers that have entries on the statewide screen will accept data
 - 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 connections and also in the corresponding cell for percentage residential
- For Terrestrial Mobile Wireless (slide 30), check each box that indicates broadband service is available in this speed tier

FCC Form 477 - Local Telephone Competition and Broadband Reporting

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OMB NO: 3060-0816

Form 477 Submission for FRN: 18461806, Company: tom telephone -- Ellen testing, State: CA, Operations: Non-ILEC, Data as of Dec 31, 2009

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.

Other Technology Description

Technology of the connections reported:

Click and select appropriate Technology from drop-down list

County: Click and select appropriate County from drop-down list

Census Tract: Census Tract:

Click and select appropriate Census Tract from drop-down list

Enter data for this Census Tract

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[Log Out](#)

Pull-Down Menus

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Form 477 Submission for FRN: 18461806, Company: tom telephone -- Ellen testing, State: CA, Operations: Non-ILEC, Data as of Dec 31, 2009

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. Census Tract / Technology.

Technology of the connections: **Asymmetric xDSL**

Census Tract: State: **CA** County: **Fresno** Census Tract: **3.00**

Connections
% Residential

| UPLOAD INFORMATION TRANSFER RATE: | | 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 |
| Less than or equal to 200 kbps | Number of Connections: | | | | | | | | |
| | Percentage Residential: | | | | | | | | |
| Greater than 200 kbps and less than 768 kbps | Number of Connections: | 44 | 78 | 99 | 34 | | | | |
| | Percentage Residential: | 95.455 % | 84.615 % | 69.697 % | 38.235 % | | | | |
| Greater than or equal to 768 kbps and less than 1.5 mbps | Number of Connections: | | 1 | 1 | | | | | |
| | Percentage Residential: | | 100.000 % | 100.000 % | | | | | |
| Greater than or equal to 1.5 mbps and less than 3 mbps | Number of Connections: | | | | | | | | |
| | Percentage Residential: | | | | | | | | |
| Greater than or equal to 3 mbps and less than 6 mbps | Number of Connections: | | | | | | | | |
| | Percentage Residential: | | | | | | | | |
| Greater than or equal to 6 mbps and less than 10 mbps | Number of Connections: | | | | | | | | |
| | Percentage Residential: | | | | | | | | |

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Form 477 Submission for FRN: 18461806, Company: tom telephone -- Ellen Testing, State: HI, Operations: ILEC, Data as of Dec 31, 2009

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**

Census Tract: State: ~~HI~~ County: ~~Maui~~ Census Tract: **304.02**

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"/> |
| Greater than 200 kbps and less than 768 kbps | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" 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"/> |
| 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"/> |
| 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"/> |
| 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"/> |
| Greater than or equal to 10 mbps and less than 25 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"/> |
| Greater than or equal to 25 mbps and less than 100 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"/> |
| Greater than or equal to 100 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"/> |

Save and Return to Submission Menu

Uploading Census Tract Data

- Click “Data File Upload For all parts”
 - The screen on the next slide appears
- Browse to find the comma delimited file to upload
 - File must be csv or txt format
 - See file format specification on slides 34 and 35
 - 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 census tract 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

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Form 477 Submission for FRN: 18461806, Company: tom telephone -- Ellen Testing, State: HI, Operations: ILEC, Data as of Dec 31, 2009

You can submit Form 477 data in one or more upload XML files. To process multiple files, run the upload function for each file. Raw text Census Tract data can be uploaded as a separate file. If Part VI is included, individual upload files should contain not more than 100,000 rows for Part VI detail. If your submission contains more than 100,000 rows for Part VI, please upload the Part VI data in separate files.

Form 477 Data File Upload

XML file: Browse...

Part I-V data option: Delete all Part I-V data before inserting XML file contents (Note: Data for all parts will be deleted only if the input XML file is validated against the XML Schema.)

Option for Part VI detail data from either XML or Raw Data File

Part VI 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.)

Raw data upload file for Part VI detail: Browse...

Error Messages: On* Off

Upload and Import Form 477 Data

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

Replace, Merge or Append

File Name

Uploading Census Tract Data (cont)

- For “Other Technology” (bottom right of slide 35)
 - Choose a numeric code for this technology, or create one
 - Put “0” in field 5 and the numeric code in field 6 of the upload file
 - Provide an explanation of the numeric code in Part IV, Comments
- For Terrestrial Mobile Wireless
 - List those Census Tracts that best represent your mobile wireless broadband service area
 - 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 | County FIPS Code (3 digits). The County is a part of the Census Tract definition. |
| 2 | Census Tract | Decimal number | Census Tract value. Census tracts are represented as numbers with a decimal, such as "3042.00." Up to four digits before the decimal, up to two digits after. |
| 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 positions 7 and 8 for "Terrestrial Mobile Wireless" Technology are treated differently than for all other technologies. For the purpose of this data upload, when compiling your file for submission enter "1" in position 7 and "0" in position 8 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 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. Up to three numbers to the right of the decimal. | 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 | | Download Rates | |
|--------------|--|----------------|--|
| Rate Code | Description | Rate Code | Description |
| 1 | Less than or equal to 200 kbps | | |
| 2 | Greater than 200 kbps and less than 768 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 | 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 | 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 | 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 | 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 | 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 | 8 | Greater than or equal to 25 mbps and less than 100 mbps |
| 9 | Greater than or equal to 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 | Optional Other Tech Value #1 |
| 2 | |

Census Tract Data Reminders

- The number of connections reported in the individual Census Tracts in Part VI for each download/upload information transfer rate must sum to the total number reported for the state in Part I.A.
- If a “Number of Connections” is entered, then the corresponding “Percentage Residential” is required
- File uploads cannot contain records for speed tiers for which there are no state level entries
- The percentage residential information reported at the Census Tract and state levels must be internally consistent within the parameters set for reporting percentage breakouts (see General Note about Reporting Percentage Breakouts in the instructions)

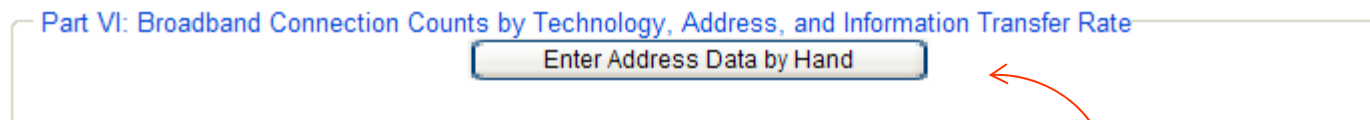
Uploading Part I-V Data

- Click “Data File Upload For all parts”
 - This links to a screen titled “Form 477 Data Upload” (See Slide 32)
 - At the bottom of the page is a link to instructions on preparing an XML file for upload
- Enter the XML file that contains Part I-V data
- If you already have entered Part I-V data that you wish to replace, check the box after the words “Part I-V data option:”
- You also may select a comma delimited Census Tract File as described in the preceding section

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

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Form 477 Submission for FRN: 16116287, Company: b, State: TX, Operations: Non-ILEC , Data as of: Dec 31, 2009

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

Enter Values For This Address

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 | 42 |
| Interconnected VoIP Service | 44 |
| Mobile Local Telephone | 46 |
| ZIP Code Information | 48 |

Local Exchange Service

Applies to Providers of Local Exchange Service

Note: All ILECs must complete either Part II.A or II.B

- Under “Data Section” of the Submission Menu,
 - Click “Part II.A: Local Exchange Telephone Service”
 - The screen on the next slide 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

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: SC, Operations: Non-ILEC, Data as of Dec 31, 2009

Part II.A: Local Exchange Telephone Service

| | (1) | (2) Note This | (3) | (4) |
|---|---|---|--|--|
| End-User Lines or Wireless Channels | 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 <u>replaced UNE-P</u> 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. | 312 | | | |
| (b) Percentage of (a) that are residential lines | 65 | | | |
| (c) Percentage of (a) for which you (including affiliates) are the presubscribed interstate long distance carrier | 80 | Resold Lines | UNE-L Lines | UNE-P Lines |
| (d) Percentage of (a) used for residential service AND for which you (including affiliates) are the presubscribed interstate long distance carrier | 60 | | | |
| (e) Percentage of (a) provided over your own (including affiliates) local loop facilities or the equivalent | 100 | | | |
| (f) Percentage of (a) provided over UNE loops obtained from an unaffiliated carrier without also obtaining that carrier's UNE switching for that line | 0 | | | |
| (g) Percentage of (a) provided over UNE-Platform (but treat commercial agreements that replaced UNE-P as "provided by reselling," below) | 0 | | | |
| (h) Percentage of (a) provided by reselling unaffiliated-carrier services including, among others, commercial agreements that replaced UNE-P and resold services such as local | 0 | | | |

Interconnected VoIP Service

Applies to Providers of Interconnected VoIP Service

- Under “Data Section” of the Submission Menu,
 - Click “Part II.B: Interconnected VoIP Service ”
- On the Interconnected VoIP screen (next slide)
 - Enter the number of VoIP 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), not their subscribers

Completing and Filing FCC Form 477

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: SC, Operations: Non-ILEC, Data as of Dec 31, 2009

Part II.B: Interconnected VoIP Service

If you report end user subscriptions in (1) and/or (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.

Reporting subscriptions in (1) and (2): Count one subscription for each end user (retail customer) who subscribes to this service. If the customer pays for the ability to make multiple simultaneous calls from a single location, then count the maximum number of calls that can be active at one time. In general, VoIP service to a business retail customer will be counted as more than one subscription.

Reporting wholesale customers in (3): Count the number of companies who purchase your VoIP components or service and resell them, as part of their own VoIP service, to end users or other wholesalers in this state.

| | (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 |
|---|---|--|--|
| (a) Total number. | <input type="text" value="55"/> | <input type="text" value="213"/> | <input type="text"/> |
| (b) Percentage of (a) provided under residential grade service plans | <input type="text" value="62"/> | <input type="text" value="85"/> | |
| (c) Percentage of (a) purchased under terms that allow use with any broadband connection ("nomadic" functionality) | <input type="text" value="74"/> | <input type="text" value="0"/> | Wholesale Customers |
| (d) Percentage of (a) provided in conjunction with a copper wire-based broadband connection (DSL or Other Wireline) | | <input type="text" value="45"/> | |
| (e) Percentage of (a) provided in conjunction with a fiber-to-the-end user broadband connection | | <input type="text" value="0"/> | |
| (f) Percentage of (a) provided in conjunction with a Cable Modem broadband connection | | <input type="text" value="55"/> | |
| (g) Percentage of (a) provided in conjunction with a fixed wireless broadband connection | | <input type="text" value="0"/> | |
| (h) Percentage of (a) provided in conjunction with any other type of broadband connection | | <input type="text" value=""/> | |

VoIP Subscriptions

Wholesale Customers

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 slide 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

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Form 477 Submission for FRN: 18461806, Company: tom telephone, State: SC, Operations: Non-ILEC, Data as of Dec 31, 2009

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 796

Percentage of (a) that are directly billed or pre-paid subscribers 100

% Directly Billed

Save and Return to Submission Menu

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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 slide 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
 - Do not include ZIP Codes for wholesale customers
 - ZIP Codes may be delimited by
 - Commas
 - Spaces
 - Carriage returns

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OMB NO: 3060-0816

Database Query for initiating new Part V record Failed.

Form 477 Submission for FRN: 18461806, Company: tom telephone, State: SC, Operations: Non-ILEC, Data as of Dec 31, 2009

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:

29801, 29803, 29805
29926 29938
29575

ZIP Code
Formats

Save and Return to Submission Menu

Single File Upload

- Click “Data File Upload For all parts”
 - The screen on slide 32 appears
- Click “Upload File Formatting Instructions” at the bottom of the screen to obtain required format
- Browse to find the XML file to upload
- Check the box below the file name to delete previously inserted Part I-V data
- If desired, also add Part VI data as described in slide 31 using the box next to “Raw data upload file for Part VI data

Explanations and Comments

- Under “Data Section” of the Submission Menu,
 - Click “Part IV: Explanations and Comments ”
 - The screen on the next slide 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

Completing and Filing FCC Form 477

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Form 477 Submission for FRN: 18461806, Company: tom telephone, State: SC, Operations: Non-ILEC, Data as of Dec 31, 2009

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 submission due to competition

Identify Part and
Column for each
comment

Free form field

Save and Return to Submission Menu

Submitting and Reopening a Form

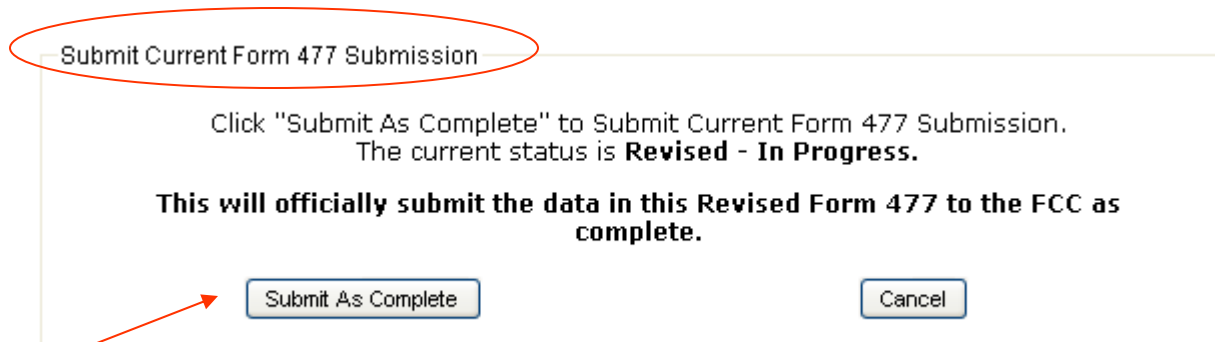
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Previewing and Printing

- Near the bottom of the submission menu in the box entitled “Print Form:” (see slide 14)
 - Select items you wish to preview and print or save
 - Click OK
 - Note: By selecting “Errors/Warnings” you will preview any errors, allowing you to correct them before submitting the form
- You will see a page preview screen that shows what will be printed
- Use your browser’s Print function to print this document
- You may also use your browser’s Save function to save the document

Submitting a Form

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



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

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 Submission

- 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

Note Filing Status

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

Deleting an “Original – In Progress” Submission

- From the Submission Menu, it is now possible to delete a file before it has been officially submitted and accepted by the system
 - Below “Print Form” on the Submission Menu click “Delete this Submission” in the box entitled “Options for this Submission”
 - Confirm to remove it from the system
- An erroneous state cannot be corrected after the file has been successfully submitted
 - Instead, reopen that file for revision and leave it in the resulting “Revised – In Progress” status
 - To assure the file is not accidentally resubmitted delete all entries in Parts I - III

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 every 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

Helpful Hints (cont)

8. There can only be one upload record for a census tract, technology and speed tier combination. There is a limit of 100,000 records for an individual upload file; multiple files may be uploaded using the Append option.
9. Turn the “Error Messages” option off when uploading a large file or it may take a very long time.
10. 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” is meant for submission of additional census tract data.
11. 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.
12. If you enter data in Part II then you must enter ZIP codes in Part V.

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 |
| Form 477 Instructions | Open new window with Form 477 instruction web page |
| 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/formspage.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

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