

Please complete separate surveys for the following types of operations and check the appropriate box to indicate which type you are reporting on this form.

ILEC Mobile Wireless / Satellite Service Provider CLEC Cable TV Other

Company

State

Qtr Year

Voice Grade and Equivalent Lines <u>2/</u>			
Residential Switched (a)	Non-Residential Switched <u>5/</u> (b)	Special Access and UNE Loops <u>5/</u> (c)	Total Voice Grade Lines [(a) + (b) + (c)]

I. Voice grade lines 1/ 2/ in service at end of quarter.

A. Lines you used to provide service to end users, 3/ categorized by:

1. Lines you owned. <u>4/</u>	<input type="text"/>	<input type="text"/>	(must be special access)	<input type="text"/>
2. Lines you leased. <u>4/</u>	<input type="text"/>	<input type="text"/>	(must be special access)	<input type="text"/>
3. Total lines you provided to end users. [Line 1 + Line 2]	<input type="text"/>	<input type="text"/>	(must be special access)	<input type="text"/>

B. Lines you provided to other communications carriers, 3/ categorized by:

4. Lines you owned <u>4/</u> that you provided under a UNE loop arrangement, defined in 47 U.S.C. §251. <u>5/</u>	<input type="text"/>	<input type="text"/>	(must be UNE loop)	<input type="text"/>
5. Lines you owned <u>4/</u> that you provided under a wholesale (Total Service Resale) arrangement, defined in 47 U.S.C. §251. <u>5/</u>	<input type="text"/>	<input type="text"/>	(must be special access)	<input type="text"/>
6. Lines you owned <u>4/</u> that you provided under other resale arrangements, such as centrex provided at retail rates for resale. <u>5/</u>	<input type="text"/>	<input type="text"/>	(must be special access)	<input type="text"/>
7. Lines that you leased <u>4/</u> that you in turn provided under UNE, wholesale, or other resale arrangements.	<input type="text"/>	<input type="text"/>	(special access + UNE loop)	<input type="text"/>
8. Total lines that you provided to other communications carriers. [Line 4 + Line 5 + Line 6 + Line 7]	<input type="text"/>	<input type="text"/>	(special access + UNE loop)	<input type="text"/>

C. 9. Total voice grade lines. [Line 3 + Line 8]

10. Contact Person:

11. Contact Telephone #:

Company
 State

II. Total voice grade lines 1/ 2/ that you owned 4/ that were in service at end of quarter, categorized by status of your switching center.

Switching Center Information			
Residential Switched (a)	Non-Residential Switched <u>5/</u> (b)	Special Access and UNE Loops <u>5/</u> (c)	Total Voice Grade Lines [(a) + (b) + (c)]
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

12. Lines in your switching centers where at least one competing communications carrier had an operational collocation arrangement for switched local exchange services.

13. Lines in your switching centers where no competing communications carrier had an operational collocation arrangement for switched local exchange services.

14. Total. [Line 12 + Line 13]
 [also equals Line 1 + Line 4 + Line 5 + Line 6]

III. High capacity lines 1/ 2/ in service at end of quarter.

High Capacity Lines <u>2/</u>			
Number of Physical Lines/Channels in Service		Capacity of Lines/Channels in Service	
(a) T1/T3	(b) Other	(c) T1/T3 (1.544 mbps equivalents)	(d) Other (1.544 mbps equivalents)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

A. Lines you used to provide service to end users, 3/ categorized by:

15. Lines you owned. 4/

16. Lines you leased. 4/

17. Total lines you provided to end users. [Line 15 + Line 16]

B. 18. Total lines that you provided to other communications carriers.

C. 19. Total high capacity lines you provide.
 [Line 17 + Line 18]

Company

State

Number of One-Way and Full Broadband 7/
Lines/Channels connected to All End User 3/ 5/ Customers

IV. Lines and channels 1/ that you used to provide service to your end users at end of quarter, categorized by technology:

(a) One-Way Broadband Provided Over Own Facilities	(b) One-Way Broadband Provided Over Resold Facilities	(c) Full Broadband Provided Over Own Facilities	(d) Full Broadband Provided Over Resold Facilities
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20. T1.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
21. T3.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
22. Up to T1 equiv. xDSL. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
23. Greater than T1 equiv. xDSL. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
24. Up to T1 equiv. coaxial (including fiber-fed). <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
25. Greater than T1 equiv. coaxial (including fiber-fed). <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
26. Optical carrier.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
27. Up to T1 equiv. electrical power line. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
28. Greater than T1 equiv. electrical power line. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
29. Up to T1 equiv. satellite fixed. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
30. Greater than T1 satellite fixed. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
31. Satellite mobile.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
32. Up to T1 equiv. terrestrial wireless fixed. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
33. Greater than T1 terrestrial wireless fixed. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
34. Terrestrial wireless mobile.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
35. Other -- up to T1 equiv. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
36. Other -- greater than T1 equiv. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Company

State

Number of One-Way and Full Broadband 7/
Lines/Channels connected to Residential 3/ 5/ Customers

(a) One-Way Broadband Provided Over Own Facilities	(b) One-Way Broadband Provided Over Resold Facilities	(c) Full Broadband Provided Over Own Facilities	(d) Full Broadband Provided Over Resold Facilities
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V. Lines and channels 1/ that you used to provide service to your end users at end of quarter, categorized by technology:

37. T1.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
38. T3.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
39. Up to T1 equiv. xDSL. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
40. Greater than T1 equiv. xDSL. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
41. Up to T1 equiv. coaxial (including fiber-fed). <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
42. Greater than T1 equiv. coaxial (including fiber-fed). <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
43. Optical carrier.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
44. Up to T1 equiv. electrical power line. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
45. Greater than T1 equiv. electrical power line. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
46. Up to T1 equiv. satellite fixed. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
47. Greater than T1 satellite fixed. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
48. Satellite mobile.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
49. Up to T1 equiv. terrestrial wireless fixed. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
50. Greater than T1 terrestrial wireless fixed. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
51. Terrestrial wireless mobile.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
52. Other -- up to T1 equiv. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
53. Other -- greater than T1 equiv. <u>8/</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Company

State

VI. Voice grade mobile telephony service subscribers 1/ 9/
served at end of quarter:

Mobile Service
Total Subscribers

54. Cellular.

55. PCS & other mobile telephony.

56. Total. [Line 54 + Line 55]

Purpose: Data from this survey will be used to describe competition in the local exchange market and to gather information about the deployment of broadband services. In addition, the data will be used to identify how much of the competition is provided on a facilities vs. a resale basis. Carriers should file separate data for voice grade and for higher capacity lines. For the voice grade part of the market, carriers should file separate data for residential, non-residential, and special access and UNE loop service.

Use of the term "lines": Interpret "lines" to mean either physical lines or wireless channels whose function is similar to lines. In categorizing lines as voice grade vs. high capacity (Sections I and III) and by type of broadband technology deployment (Section IV and V), base your response on the portion of the line or channel that connects to the customer's premise. Count only lines that are in service, including lines that you provide to end users (all Sections) and lines that you provide to another carrier (Sections I, II, III and VI).

1/ Include vs. exclude: Report in Section I, Section II and Section III all lines and channels that connect directly to an end-user premises at one end and, at the other end (directly or indirectly), to a carrier switch or to a network that carries traffic to the public switched telephone network. For example:

- Include:
- UNE loops provided to other communications carriers even if those carriers were not using those lines to provide service to end users.
 - fixed wireless channels.
 - symmetric and asymmetric xDSL lines that carried customer voice and data to internet protocol, ATM based, or circuit switched networks whence traffic reached the public switched telephone network.
 - dedicated lines that connected to an end user at one end, passed through your switch or switching center, and thence connected to another communication carrier's switch or network that carries traffic to the public switched telephone network.
- Exclude:
- lines provided to carriers that were used for interoffice trunking.
 - private lines that connected one customer location directly to another.
 - lines not in service even if the lines were on order.
 - company official lines.
 - mobile satellite, cellular & PCS telephone service. [Report mobile telephony service subscribers in Section VI.]
 - transport lines between your switching center and internet protocol, ATM or circuit switched networks, where you already are reporting the portion of the line between the end user and your switching center, even if you multiplexed those lines and provided higher capacity lines between your switching center and those networks.
 - lines that customers cannot use to place calls to subscribers of ordinary telephone service. For example, exclude dedicated lines that customers use for internet access unless the lines are also used for exchange telephone service.

Report in Section IV (all customers) and V (residential) all lines and channels used to provide broadband service to end-user customers. For example:

- Include:
- all end-user lines reported as high capacity lines in Section III.
 - lines that you use to provide internet access or internet services to end-user customers, including internet access provided via cable modem service over cable systems.
- Exclude:
- broadcast cable television service and other multi-channel video programming.
 - video-on-demand type service unless it is bundled with internet-type access.

Report in Section VI voice grade mobile telephone services. For example:

- Include:
- mobile satellite, cellular, and PCS telephone service & other terrestrial mobile services.
- Exclude:
- fixed wireless services provided using PCS or satellite facilities.
 - paging and other one-way services.
 - all services with data rates of 200 kbps or greater in one direction.
 - all dedicated internet services.

2/ Voice grade vs. high capacity: Count as one voice grade equivalent line: traditional analog POTS lines, Centrex-CO extensions, and Centrex-CU trunks. Count a UNE loop as a single voice grade equivalent line unless it is specifically provided and equipped as a high capacity line. Classify high capacity lines/channels as T1/T3 vs. all other. Include DS1 and DS3 lines as T1/T3 lines/channels. Include xDSL, coaxial, optical carrier, electrical power, terrestrial fixed wireless and satellite fixed lines/channels as other lines/channels. In completing Section III, report actual line counts and capacity. For example, count eight 1/4 T1 circuits as eight physical lines and as two 1.544 mbps equivalents of capacity. Similarly, count one optical carrier (SONET) OC-1 line as one physical line and as twenty eight 1.544 mbps equivalents. Count a T3/DS3 line as one physical line and as twenty eight 1.544 mbps equivalent lines. Count a PRI ISDN line as one 1.544 mbps equivalent line. Classify other digital lines as follows:

Reporting of Digital Lines/Channels				
Downstream Data Rate	Upstream Data Rate			
	Less than 48 kbps	48 kbps or more but less than 96 kbps	96 kbps up to 200 kbps	More than 200 kbps
Less than 48 kbps	do not report	do not report	do not report	one-way broadband
48 kbps or more but less than 96 kbps	do not report	one voice grade *	one voice grade *	high capacity and one-way broadband
96 kbps up to 200 kbps	do not report	one voice grade *	two voice grade *	high capacity and one-way broadband
More than 200 kbps	one-way broadband	high capacity and one-way broadband	high capacity and one-way broadband	high capacity and full broadband

* As noted above, digital lines are reported as voice grade lines only if they connect directly to an end-user premises at one end and, at the other end, to a carrier switch or to a network that carries traffic to the public switched telephone network. For example, Basic Rate ISDN lines are reported as two voice grade lines.

3/ End-user vs. carrier: In Section I, separate lines provided to end users from lines provided to other communications carriers under resale or UNE arrangements. In Section III, separate high capacity lines that are connected to end users into two categories: lines that you provided to end users; and lines that you provided to other communications carriers. Do not include the same high capacity line more than once in lines 15, 16 and 18. Include as end-user lines in Section I-A and Section III-A lines billed or marketed by your agents. For example, include as end-user lines all lines provided through traditional marketing agency arrangements, as well as lines furnished to shared tenant service providers. In Sections IV and V, only report broadband services provided to end users. Broadband lines provided to internet service providers for resale to end users should be classified as resale, not as end-user.

4/ Own vs. lease: Only one filer should report that they own any specific line. Count as lines you own all lines that you actually owned as well as lines obtained from entities that are not communications carriers and that you used as part of your own system. Count as lines you lease all lines that you obtained from another reporting communications carrier including lines obtained under UNE loop, wholesale (Total Service Resale), or other resale or lease arrangements. For example, if you take a voice grade UNE loop and use it to provide switched access service to a residential customer, report that line in Line 2, column (a).

- 5/ Residential vs. non-residential vs. special access and UNE loop: Classify lines as residential only if the line terminates with a residential end user. Exclude lines that terminate with business, government, education, shared tenant system, institutional and pay telephone customers. In Section I, classify all lines provided under UNE loop arrangements in column (c). Count a UNE loop as in service if it has been provided to and is being billed to the competing carrier regardless of whether that carrier has the line in service. Classify lines provided for resale as residential vs. non-residential according to the tariff/price list under which the service is provided. If the tariff/price list does not distinguish residential vs. non-residential service, estimate a split based on the demographics of the area in which the lines are provided. Include local private lines connecting an end user with a carrier in column (c). For reporting voice grade lines, classify as special access all dedicated lines connected to an end user at one end, passed through your switch or switching center, and thence connected to another communication carrier's switch or network, even if these were provided under private line rather than special access tariffs. Report high capacity lines in Section III without any separate breakout for switched vs. special access vs. private line. In Section V, include lines that connect to residential end users including lines billed to residential end users that connect the customer to an internet service provider, but not lines billed to the internet service provider.
- 6/ A switching center is a location containing one or more switches. Do not consider separate three-digit telephone prefixes as separate switching centers. Consider a remote as a separate switching center if a competing carrier could obtain a UNE loop **only** at the remote switch rather than at the host switch. Note: this definition of a switching center is different from wire center based definitions of switching centers which include all remote switch locations as switching centers. If collocation occurs only at a remote switch, report lines served from that switch on Line 12 and report other lines served by the host or other remote switches on Line 13.
- 7/ One-way vs. full broadband: Classify a line/channel as full broadband if it provides the customer the capability of simultaneously sending and receiving information at a rate greater than 200 kbps. Classify an asymmetric line/channel as one-way broadband if it provides the customer the capability of sending or receiving information at a rate greater than 200 kbps in one direction but 200 kbps or less in the other direction. For packet switched-based services, use the customer's authorized maximum usage to classify the line/channel as full broadband or one-way broadband. As noted in footnote 1, broadband does not include broadcast cable TV service or other exclusively one-way services, but does include internet access using cable modem service over cable systems.
- 8/ Up to vs. greater than T1 equiv. broadband: In Sections IV and V, classify xDSL, coaxial, electrical power, satellite fixed, wireless fixed and other lines/channels as greater than T1 equivalent if they provide the end user with the capability of transmitting or receiving greater than 1.544 mbps in one direction. Classify other broadband lines/channels as up to T1 equivalent.
- 9/ Mobile wireless telephony subscriber counts by state should be based on billing addresses.

Company

State

Space for comments or explanatory notes.

Line Comment

Instructions for electronic filing

- 1) Enter the data for one state, save the spreadsheet, and then reload FORM5XX.XLS to create a file for the next state.
- 2) If you meet the filing threshold for more than one type of operation (CLEC, ILEC, Mobile Wireless / Satellite Service Provider, Cable TV, or Other) then you will file separate data in separate worksheets for each type of operation in each state.
- 3) Use the following naming convention for file names:

First letter = "C" for CLEC operations in state; "I" for ILEC operations;
 "M" for Mobile Wireless / Satellite operations; "V" for cable TV operations; or
 "O" for other operations in the state.

Next character is the last digit of the year. For example:

1999	9
2000	0

Next three letters = entity name (company) abbr. For example:

Allegiance Telecom	ALG
ALLTEL	ALL
Ameritech	AMR
e.spire Communications	ESP

Next character is the numeric value of the quarter of the filing. Specifically:

first quarter	1
second quarter	2
third quarter	3
fourth quarter	4

Next two characters = state abbr.

Alabama	AL
Alaska	AK
Arizona	AZ
Arkansas	AR
California	CA
Colorado	CO
Connecticut	CT
Delaware	DE
District of Columbia	DC
Florida	FL
Georgia	GA
Hawaii	HI
Idaho	ID

Illinois	IL
Indiana	IN
Iowa	IA
Kansas	KS
Kentucky	KY
Louisiana	LA
Maine	ME
Maryland	MD
Massachusetts	MA
Michigan	MI
Minnesota	MN
Mississippi	MS
Missouri	MO
Montana	MT
Nebraska	NE
Nevada	NV
New Hampshire	NH
New Jersey	NJ
New Mexico	NM
New York	NY
North Carolina	NC
North Dakota	ND
Ohio	OH
Oklahoma	OK
Oregon	OR
Pennsylvania	PA
Puerto Rico	PR
Rhode Island	RI
South Carolina	SC
South Dakota	SD
Tennessee	TN
Texas	TX
Utah	UT
Vermont	VT
Virginia	VA
Washington	WA
West Virginia	WV
Wisconsin	WI
Wyoming	WY

Examples:

Ameritech ILEC operations in Michigan (fourth quarter, 1999) I9AMR4MI

GTE CLEC operations in Florida (second quarter, 2000) C0GTE2FL

OMB NO: 3060-xxxx
EXPIRATION DATE:

- 4) Do not insert or delete rows or columns or move cells in the worksheet.
- 5) Enter data into the cells indicated.
- 6) Enter numeric data as numbers, not as labels. Enter all digits, even if a number has been estimated or rounded. Thus, enter 21.7 million as 21,700,000.

Enter quarter as a numeric value

- 1 = first quarter (i.e., data as of March 31)
- 2 = second quarter (i.e., data as of June 30)
- 3 = third quarter (i.e., data as of September 30)
- 4 = fourth quarter (i.e., data as of December 31)

Enter the year as a numeric, 4-digit value. For example:

2001

- 7) Enter any comments or explanatory notes in the space provided at the bottom of the worksheet, below the footnotes. Enter the section and/or question number in column F and your comment in column I.
- 8) Enter the identical company name in the space provided at the top of FCC Form 5xx for each state for which the entity files data for a particular type of operation (e.g., CLEC). Use the name under which the company does business, not the abbreviation used for naming the data files.

Enter the state abbreviations shown above in the indicated cell under the company name.
- 9) Enter an "x" or an "X" in the appropriate check box to indicate CLEC; ILEC; Mobile Wireless / Satellite Service Provider; Cable TV; or Other.
- 10) Entering responses: Do not leave entries blank. Use the number "0" (zero) for items that are not applicable or for those values which are known to be zero.
- 11) Contact Ellen Burton or Jim Zolnierек for clarifications at (202) 418-0940.

12) To submit the individual data files, either:

- a) Attach files to an e-mail directed to:
localcomp@fcc.gov

Include in the message part of the e-mail

- The name of the company providing the data
- The number of files attached to the message
- The 3-character company abbreviation used as part of the file names.

or b) Mail diskettes to:

Local Competition Survey
Mail Stop 1600F
Federal Communications Commission
445 12 th Street, S.W.
Washington, D.C. 20554

Include in the cover letter transmitting the diskettes:

- The name of the company providing the data
- The number of diskettes and data files transmitted in the package
- The 3-character company abbreviation used as part of the file names.

Note: more than one file can be included on a diskette.