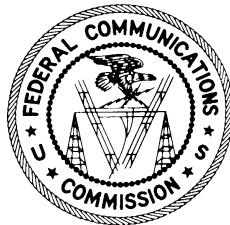


Local Telephone Competition: Status as of December 31, 2010

Industry Analysis and Technology Division
Wireline Competition Bureau
October 2011



This report is available for reference in the FCC's Reference Information Center, Courtyard Level, 445 12th Street, SW, Washington, DC. Copies may be purchased by contacting Best Copy and Printing, Inc., 445 12th Street, SW, Room CY-B402, Washington, DC 20554, telephone (800) 378-3160, or via their website at www.bcpiweb.com. The report can also be downloaded from the Wireline Competition Bureau Statistical Reports Internet site at www.fcc.gov/wcb/stats.

Contents

TEXT

Introduction.....	1
Wireline retail local telephone service.....	1
Service providers	3
Interconnected VoIP service	6
Switched access lines.....	9
Wholesale relationships for switched access lines.....	9
Remainder of the report	11
Technical Notes	32
Glossary	34

FIGURES

1. Interconnected VoIP Subscriptions and Retail Switched Access Lines, 2008 - 2010.....	2
2. Wireline Retail Local Telephone Service Connections by Technology and Customer Type	3
3. Wireline Retail Local Telephone Service Connections by Customer Type and Regulatory Status	4
4. Wireline Retail Local Telephone Service Connections by Technology, Regulatory Status, and Customer Type	5
5. Interconnected VoIP Subscribership by Reported Service Features	7
6. Technology of Internet Access Connections in Interconnected VoIP Broadband Bundles	8
7. Technology of Retail Switched Access Lines	9
8. Wholesale Relationships as Reported Respectively by CLECs and ILECs	10

TABLES

1. End-User Switched Access Lines and VoIP Subscriptions.....	12
2. End-User Switched Access Lines and VoIP Subscriptions by Customer Type	13
3. End-User Switched Access Lines and VoIP Subscriptions Reported by Non-ILECs.....	14
4. ILEC End-User (Retail) and Wholesale Switched Access Lines, VoIP Subscriptions, and UNEs	15
5. End-User Switched Access Lines and VoIP Subscriptions by Type of Technology for Non-ILEC Providers	16
6. Percentage of Switched Access Lines Presubscribed for Long Distance Service.....	17
7. Residential and Business Presubscribed Switched Access Lines.....	18
8. Total End-User Switched Access Lines and VoIP Subscriptions by State	19
9. Residential End-User Switched Access Lines and VoIP Subscriptions by State.....	20
10. Business End-User Switched Access Lines and VoIP Subscriptions by State.....	21

11. Non-ILEC Share of Total End-User Switched Access Lines and VoIP Subscriptions by State	22
12. Non-ILEC Total End-User Switched Access Lines and VoIP Subscriptions by State	23
13. ILEC Total End-User Switched Access Lines and VoIP Subscriptions by State	24
14. Non-ILEC Methods of Providing Wireline Telephone Services by State	25
15. Percentage of End-User Switched Access Lines and VoIP Subscriptions Provided to Residential Customers by State	26
16. Number of Reporting ILECs, Non-ILECs, and VoIP Providers by State	27
17. Mobile Telephone Facilities-based Carriers and Mobile Telephony Subscribers	28
18. Percentage of ZIP Codes with CLECs or Non-ILEC VoIP Providers	29
19. Percentage of Households in ZIP Codes with CLECs or Non-ILEC VoIP Providers	29
20. Percentage of ZIP Codes with CLECs or Non-ILEC VoIP Providers by State	30

CHARTS

1. End-User Switched Access Lines and VoIP Subscriptions	12
2. Percent of Lines and VoIP Subscriptions that Serve Residential Customers	13
3. Non-ILEC End-User Switched Access Lines and VoIP Subscriptions	14
4. ILEC Total Lines and the Percent Provided to CLECs	15
5. End-User Switched Access Lines and VoIP Subscriptions by Type of Technology for Non-ILEC Providers	16
6. Percent Presubscribed Interstate Long Distance Lines for ILECs	17

MAP

Reporting Non-ILEC Interconnected VoIP Providers and CLECs by 5-Digit Geographical ZIP Code	31
--	----

Local Telephone Competition: Status as of December 31, 2010

Introduction. The Commission has used FCC Form 477 to collect subscribership information from telephone service providers – the incumbent local exchange carriers (ILECs), competitive local exchange carriers (CLECs), and mobile telephony providers – for more than a decade.^{1,2} The Commission has required interconnected Voice over Internet Protocol (“interconnected VoIP”) service providers to report subscribership information since December 2008 because the use of VoIP technology is growing rapidly and it increasingly is used to provide local telephone service.³

This report summarizes information about telephone services as of December 31, 2010. It demonstrates that interconnected VoIP service subscribership has continued to increase while subscribership to traditional wired telephone services has declined. We also update summary statistics for the mobile telephony subscribership information collected by Form 477.⁴

Wireline retail local telephone service. Retail local telephone service customers are served by two wireline technologies – “end-user” switched access lines and interconnected VoIP “subscriptions.”

- In December 2010, there were 117 million end-user switched access lines in service and 32 million interconnected VoIP subscriptions in the United States, or 149 million wireline retail local telephone service connections in total. See Figure 1.

¹ See the Technical Notes and the Glossary that appear at the end of this report for more-detailed information about the Form 477 and the meaning of terms used in this report.

² For an overview of program history for the telephone services data, see *Local Telephone Competition: Status as of December 31, 2008* (June 2010) at pp. 1-2, available at <http://www.fcc.gov/wcb/iatd/comp.html>. Readers who are interested in historical trends in the data should note the changes in reporting requirements that were effective in 2008 and earlier, in 2005.

³ The FCC’s rules (at 47 C.F.R. § 9.3) state:

An interconnected Voice over Internet Protocol (VoIP) service is a service that:

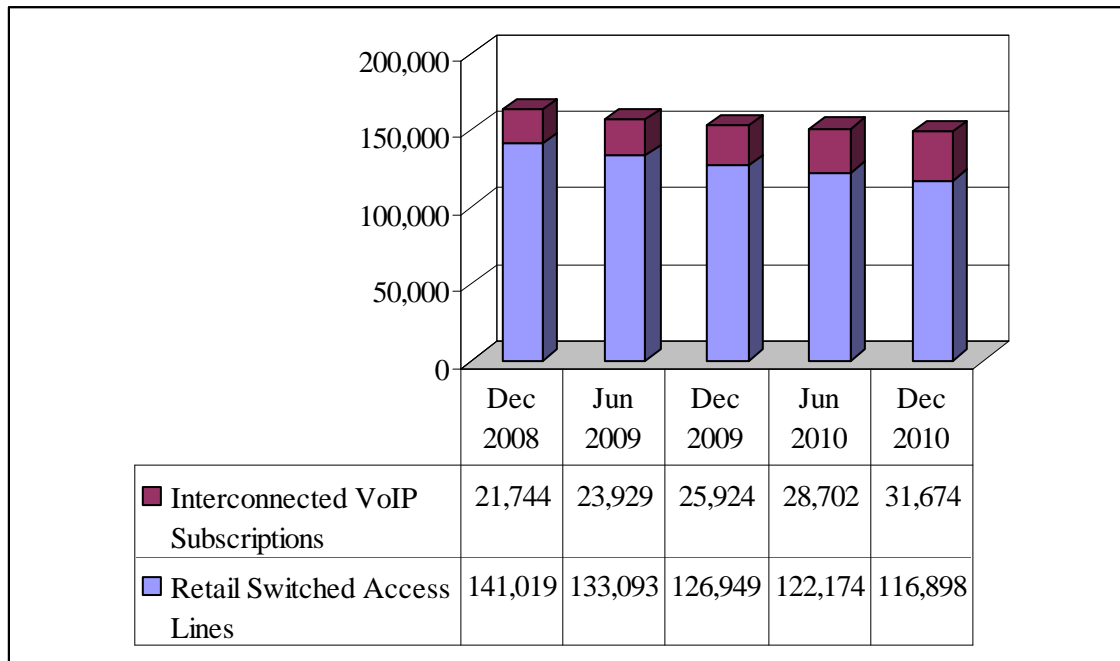
- (1) Enables real-time, two-way voice communications;
- (2) Requires a broadband connection from the user’s location;
- (3) Requires Internet protocol-compatible customer premises equipment (CPE); and
- (4) Permits users generally to receive calls that originate on the public switched telephone network and to terminate calls to the public switched telephone network.

We note that the current interpretation of element (4) of the definition excludes the VoIP services that Skype offers in the United States, and subscribers to those services are not reported on Form 477. Prior to the December 2008 data, companies such as Vonage that solely provide interconnected VoIP service did not file Form 477. Telephone companies and cable companies that provided local exchange telephone service were required to file Form 477 but were not required to report interconnected VoIP subscriptions. However, some of these companies chose to include interconnected VoIP subscriptions in the number of retail (end-user) switched access lines that they reported.

⁴ The presentation of mobile wireless telephone subscriber counts in this report does not constitute, or imply, Commission analysis of the extent to which wireline and mobile wireless telephone services are demand substitutes or complements in general or in any particular situation. In the Form 477 program, commercial mobile radio service (CMRS) carriers who own or operate wireless networks report both their retail telephone service customers and the retail customers of mobile wireless telephone service resellers.

- Interconnected VoIP subscriptions had increased by 22% (from 26 million to 32 million) and retail switched access lines had decreased by 8% (from 127 million to 117 million) during the preceding year. The combined effect was an annual decrease of 3% in wireline retail local telephone service connections (from 153 million to 149 million). See Figure 1.

Figure 1
Interconnected VoIP Subscriptions and Retail Switched Access Lines, 2008 - 2010
(In Thousands)

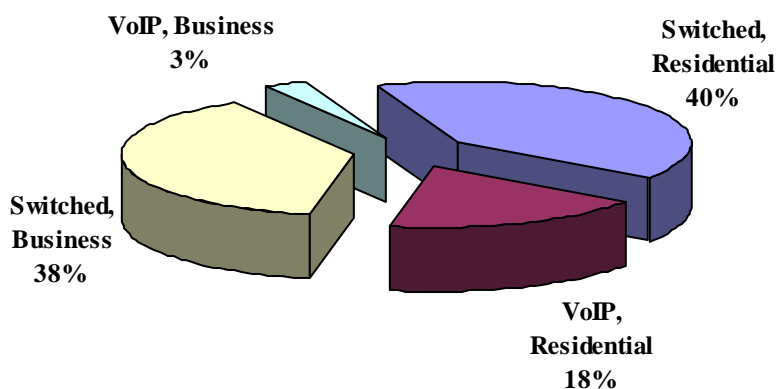


- Of the 149 million wireline retail local telephone service connections in December 2010, 87 million (or 59%) were residential connections and 61 million (or 41%) were business connections. See Figure 2.
- Cross-classified by technology and customer type, the 149 million wireline retail local telephone service connections in December 2010 were: 40% residential switched access lines, 38% business switched access lines, 18% residential interconnected VoIP subscriptions, and 3% business interconnected VoIP subscriptions. See Figure 2.

Figure 2
Wireline Retail Local Telephone Service Connections by Technology and Customer Type as of December 31, 2010 (In Thousands)

	Switched Access Lines	Interconnected VoIP	Total
Residential	60,027	27,061	87,088
Business	56,871	4,614	61,485
Total	116,898	31,674	148,572

Figures may not add to totals due to rounding.



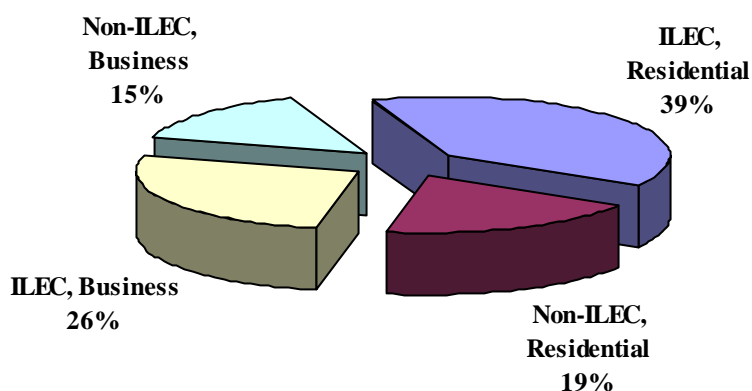
Service providers. The Form 477 program – and this report – distinguishes ILEC operations from all other operations.

- Cross-classified by customer type (residential or business) and the service retailer’s regulatory status (ILEC or non-ILEC), the 149 million wireline retail local telephone service connections (including both switched access lines and interconnected VoIP subscriptions) in December 2010 were: 39% ILEC residential service, 26% ILEC business service, 19% non-ILEC residential service, and 15% non-ILEC business service. See Figure 3.

Figure 3
Wireline Retail Local Telephone Service Connections by Customer Type and Regulatory Status as of December 31, 2010 (In Thousands)

	Residential	Business	Total
ILEC	58,211	39,307	97,518
Non-ILEC	28,877	22,178	51,054
Total	87,088	61,485	148,572

Figures may not add to totals due to rounding.

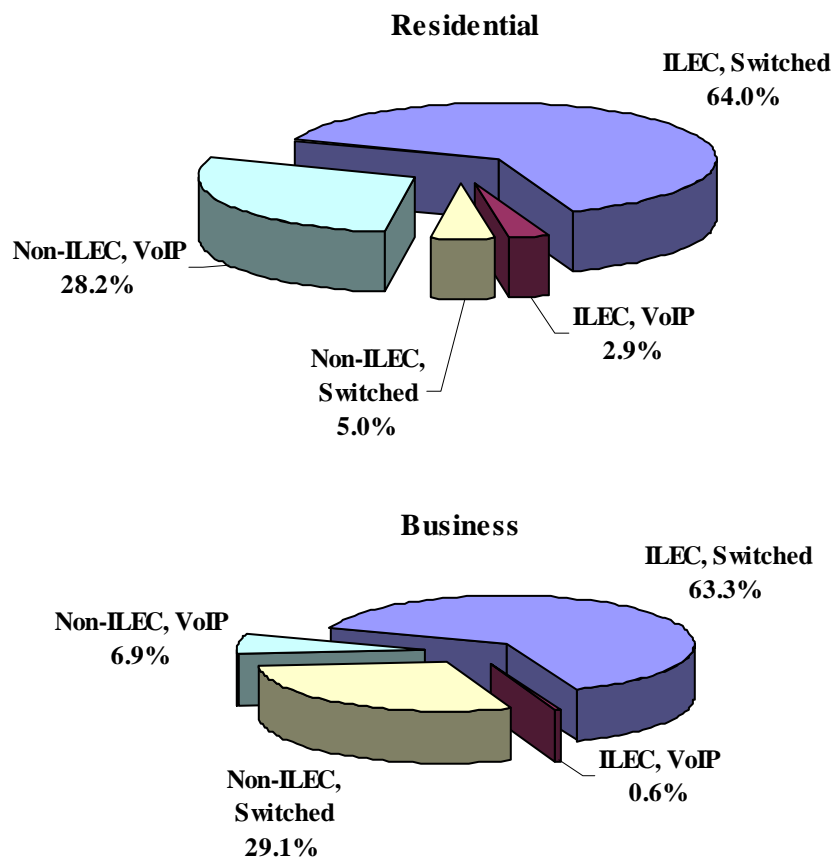


- Additionally cross-classified by technology, the 87 million wireline residential connections in December 2010 were: 64.0% ILEC switched access lines, 28.2% non-ILEC interconnected VoIP subscriptions, 5.0% non-ILEC switched access lines, and 2.9% ILEC interconnected VoIP subscriptions. Similarly, the 61 million wireline business connections were: 63.3% ILEC switched access lines, 29.1% non-ILEC switched access lines, 6.9% non-ILEC interconnected VoIP subscriptions, and 0.6% ILEC interconnected VoIP subscriptions. See Figure 4.

Figure 4
Wireline Retail Local Telephone Service Connections by Technology, Regulatory Status, and Customer Type as of December 31, 2010 (In Thousands)

Total	Switched Access Lines	Interconnected VoIP	Total
ILEC	94,661	2,857	97,518
Non-ILEC	22,237	28,817	51,054
Total	116,898	31,674	148,572
Residential			
ILEC	55,710	2,501	58,211
Non-ILEC	4,316	24,560	28,877
Residential Total	60,027	27,061	87,088
Business			
ILEC	38,950	356	39,307
Non-ILEC	17,920	4,257	22,178
Business Total	56,871	4,614	61,485

Figures may not add to totals due to rounding.



Interconnected VoIP service. Form 477 identifies three types of information about retail interconnected VoIP service.

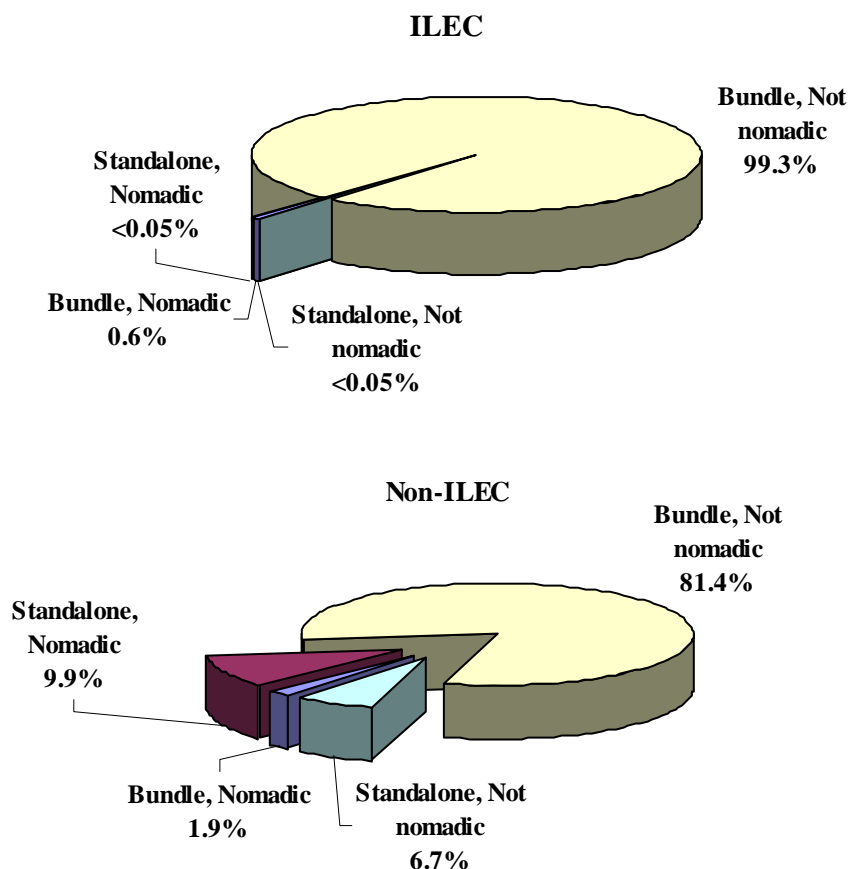
- First, interconnected VoIP service retailers distinguish between the interconnected VoIP subscriptions they sell to their broadband Internet access service customers (“broadband bundle” subscriptions, in this report) and all the other interconnected VoIP subscriptions that they sell (“standalone” subscriptions).
- Second, filers report whether or not interconnected VoIP subscriptions include, as a service feature, the capability to use the service over any broadband connection to which the customer has access, for example, at a hotel or vacation residence (“nomadic” functionality).
- Third, filers identify the different broadband technologies (for example, cable modem Internet access service) in the broadband bundle.

The Form 477 data cross-classify the first two of these three sets of information. See Figure 5.

Figure 5
Interconnected VoIP Subscriberhip by Reported Service Features
as of December 31, 2010 (In Thousands)

Total	Broadband Bundle	Standalone VoIP	Total
Nomadic	568	2,866	3,434
Not nomadic	26,300	1,941	28,240
Total	26,867	4,807	31,674
I L E C			
Nomadic	18	1	19
Not nomadic	2,837	#	2,838
I L E C Total	2,855	2	2,857
Non-I L E C			
Nomadic	550	2,865	3,415
Not nomadic	23,462	1,940	25,403
Non-I L E C Total	24,012	4,805	28,817

= Rounds to zero. Figures may not add to totals due to rounding.

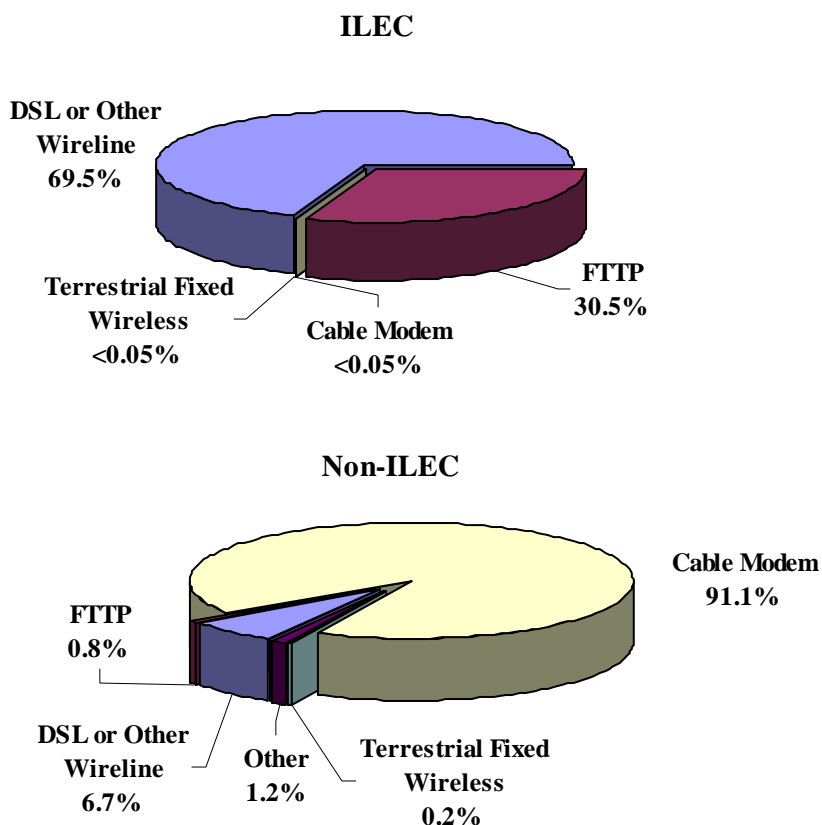


Form 477 collects the third type of information about retail interconnected VoIP service – the technology of the Internet access connection – for broadband bundles but not for standalone interconnected VoIP. See Figure 6.⁵

Figure 6
Technology of Internet Access Connections in Interconnected VoIP
Broadband Bundles as of December 31, 2010 (In Thousands)

Technology	ILEC	Non-ILEC	Total
DSL or Other Wireline	1,984	1,611	3,595
FTTP	870	183	1,052
Cable Modem	1	21,880	21,881
Terrestrial Fixed Wireless	#	46	46
Other	0	292	292
Total	2,855	24,012	26,867

= Rounds to zero. Figures may not add to totals due to rounding.



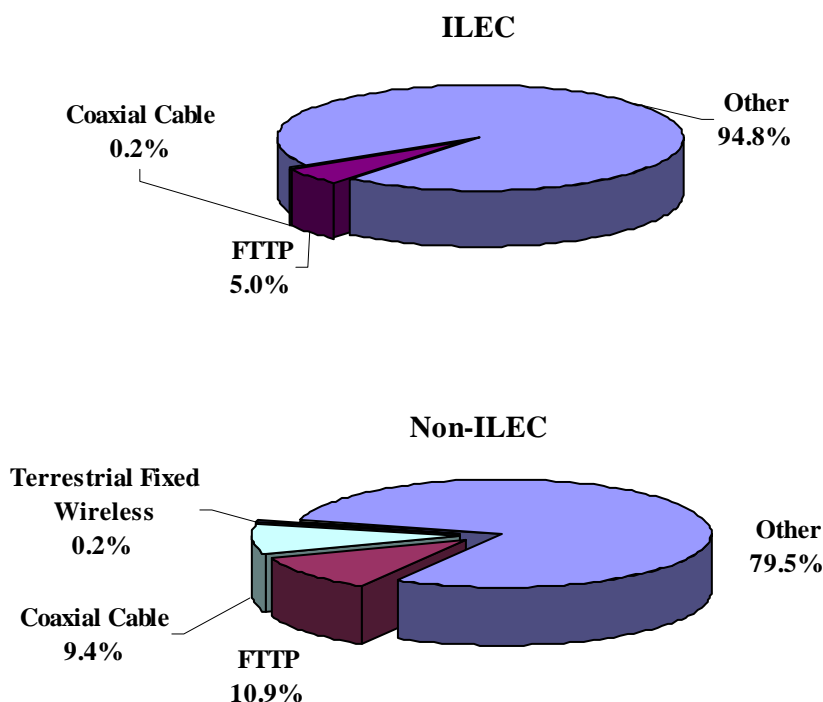
⁵ *Internet Access Services: Status as of December 31, 2010* (September 2011) discusses types of Internet access connections in greater detail. The report is available at <http://www.fcc.gov/wcb/iatd/comp.html>.

Switched access lines. ILECs as a group predominantly deliver retail switched access lines over copper local loops. This appears also to be the case for those non-ILECs who report retail switched access lines. See Figure 7.

Figure 7
Technology of Retail Switched Access Lines
as of December 31, 2010 (In Thousands)

Technology	ILEC	Non-ILEC	Total
FTTP	4,743	2,418	7,161
Coaxial Cable	161	2,101	2,262
Terrestrial Fixed Wireless	2	47	49
Other (copper local loop)	89,755	17,671	107,426
Total	94,661	22,237	116,898

Figures may not add to totals due to rounding.



Wholesale relationships for switched access lines. ILECs typically own the communications facilities over which they provide retail services. By contrast, CLECs use a range of methods: equipping ILEC UNE loops (“UNE-L”) as CLEC switched access lines,⁶ reselling services (for example, reselling ILEC

⁶ CLECs (as opposed to non-ILECs more generally) have certain regulatory rights to obtain ILEC local loops at cost-based UNE rates, which the CLEC may use to provide retail switched access lines or retail broadband Internet access connections. See C.F.R. § 51.307.

switched access lines obtained at wholesale rates or reselling ILEC lines obtained under commercial agreements that replaced the UNE-Platform (“UNE-P”), equipping leased ILEC special access circuits as switched access lines, and equipping local loops that the CLEC owns.

- CLECs reported using several methods to provide their 22 million retail switched access lines in December 2010. They reported providing 36% of lines (or about 8.0 million lines) by reselling ILEC wholesale or retail services. They reported providing 31% of lines (or about 7.0 million lines) over ILEC facilities leased at regulated, cost-based rates (that is, as unbundled network elements, or UNEs). And they provided the remaining 33% of lines (or about 7.3 million lines) over local loops that they owned. However, the information about wholesale relationships differs as reported by CLECs and by ILECs, as discussed in Figure 8.

Figure 8
Wholesale Relationships as Reported Respectively by CLECs and ILECs
as of December 31, 2010 (In Thousands)

	CLEC	ILEC	Difference
	Retail Switched Access Lines provisioned over ILEC Services (reported by CLECs)	Wholesale Switched Access Lines and UNEs provided to CLECs (reported by ILECs)	
Resold ILEC services¹	7,983	4,717	3,266
UNE-P²	1,237	53	1,185
UNE-L³	5,722	3,124	2,598
Total ILEC UNEs	6,959	3,177	3,783
Total ILEC services	14,943	7,894	7,049

Figures may not add to totals due to rounding.

¹ Resold ILEC services include switched access lines made available to CLECs at wholesale rates, resold Centrex, Integrated Services Digital Network (ISDN), or other ILEC services, ILEC special access circuits channelized to provide CLEC retail switched access lines, and ILEC switched access lines provided to CLECs under commercial agreements that replaced UNE-P. (See note 2, below.) Filers are instructed to count the number of voice-grade channels the retail customer purchased, not the theoretical capacity of the circuit over which the service was delivered.

ILECs generally do not know (and do not report) which ILEC leased special access circuits or other high-capacity circuits are being used to provide CLEC retail switched access lines (which the CLECs do report).

² UNE-P was the combination of ILEC loop UNE, switching UNE, and transport UNE. The Commission directed CLECs to migrate their retail customers served by UNE-P to an alternative arrangement within 12 months of the effective date of the *Triennial Review Remand Order*, that is, by March 11, 2006. See C.F.R. § 51.319(d)(2)(ii).

³ ILECs report the number of UNE-L they provide to CLECs but do not convert any high-capacity UNE-L, such as DS1 UNE loops, into voice-grade equivalents. By contrast, CLECs report the number of switched access lines their retail customers purchase which the CLEC provisioned over UNE-L obtained from ILECs. Note, however, that a CLEC might use UNE-L only to provide broadband Internet access connections.

Remainder of the report. The remainder of the report consists of tables and charts that update and expand data presented in earlier reports in this series. We present national data first, followed by state-specific data and, finally, summary statistics of service-provider presence in individual ZIP Codes.⁷

* * * *

We invite users of this information to provide suggestions for improved analysis of data presented in this report by using the attached customer response form or by sending comments to IATDreports@fcc.gov for subject: December 2010 local telephone data. We encourage users of this information to provide suggestions for improved data collection by participating in any formal proceedings undertaken by the Commission to solicit comments for improvement of FCC Form 477.

⁷ The appropriate interpretation of the ZIP Code-based information is discussed in the Technical Notes at the end of the report.

Table 1
End-User Switched Access Lines and VoIP Subscriptions¹
(In Thousands)

Date	Provided by		Total	Non-ILEC Share
	ILEC	Non-ILEC		
Jun 2005	143,758	33,975	177,733	19.1
Dec 2005	143,773	31,388	175,161	17.9
Jun 2006	142,293	29,896	172,189	17.4
Dec 2006	138,834	28,626	167,460	17.1
Jun 2007	134,640	28,729	163,369	17.6
Dec 2007	129,693	28,725	158,418	18.1
Jun 2008	124,606	30,049	154,655	19.4
Dec 2008	118,496	44,267	162,763	27.2
Jun 2009	112,748	44,275	157,023	28.2
Dec 2009	107,019	45,854	152,873	30.0
Jun 2010	102,395	48,481	150,876	32.1
Dec 2010	97,518	51,054	148,572	34.4

Some data for June 2009, December 2009, and June 2010 have been revised.

¹ Mandatory reporting by interconnected VoIP service providers started in December 2008. Previously, individual ILECs and CLECs included VoIP subscribers in reported switched access lines to a varying and largely unknown degree. Interconnected VoIP is distinguished from VoIP service more generally by permitting users to receive calls that originate on the public switched telephone network *and* to terminate calls to the public switched telephone network. See 47 C.F.R. § 9.3. Form 477 counts both switched access lines and interconnected VoIP subscriptions as the maximum number of calls that may be active, simultaneously, from the end user's location under the purchased service plan.

Chart 1
End-User Switched Access Lines and VoIP Subscriptions
(In Millions)

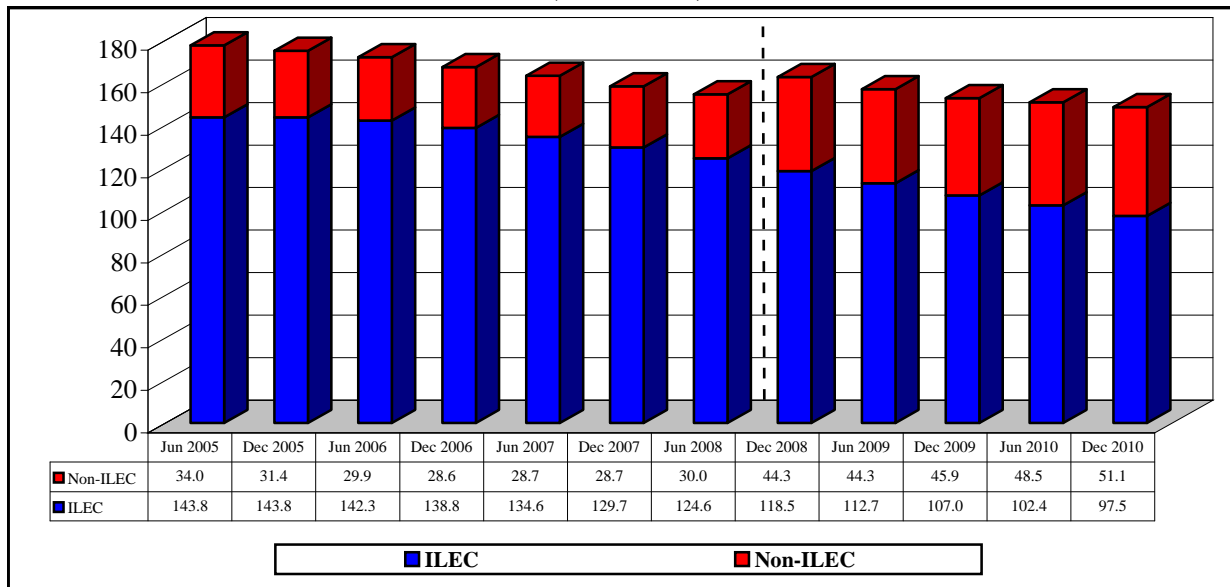


Table 2
End-User Switched Access Lines and VoIP Subscriptions by Customer Type¹
(In Thousands)

Date	Reporting ILECs			Reporting Non-ILECs		
	Residential	Business	% Residential	Residential	Business	% Residential
Jun 2005	95,316	48,442	66.3	16,338	17,637	48.1
Dec 2005	94,393	49,381	65.7	13,873	17,515	44.2
Jun 2006	92,453	49,840	65.0	12,474	17,422	41.7
Dec 2006	89,167	49,667	64.2	12,211	16,415	42.7
Jun 2007	85,633	49,007	63.6	12,117	16,612	42.2
Dec 2007	81,798	47,894	63.1	12,051	16,675	42.0
Jun 2008	77,457	47,149	62.2	12,396	17,654	41.3
Dec 2008	72,786	45,711	61.4	25,049	19,218	56.6
Jun 2009	68,582	44,166	60.8	24,768	19,507	55.9
Dec 2009	64,613	42,405	60.4	26,791	19,064	58.4
Jun 2010	61,579	40,816	60.1	27,899	20,582	57.5
Dec 2010	58,211	39,307	59.7	28,877	22,178	56.6

Some data for June 2009, December 2009, and June 2010 have been revised.

¹ The December 2008 data are the first for which comprehensive reporting of interconnected VoIP subscribers was required. See footnote 1, Table 1.

Chart 2
Percent of Lines and VoIP Subscriptions that Serve Residential Customers¹

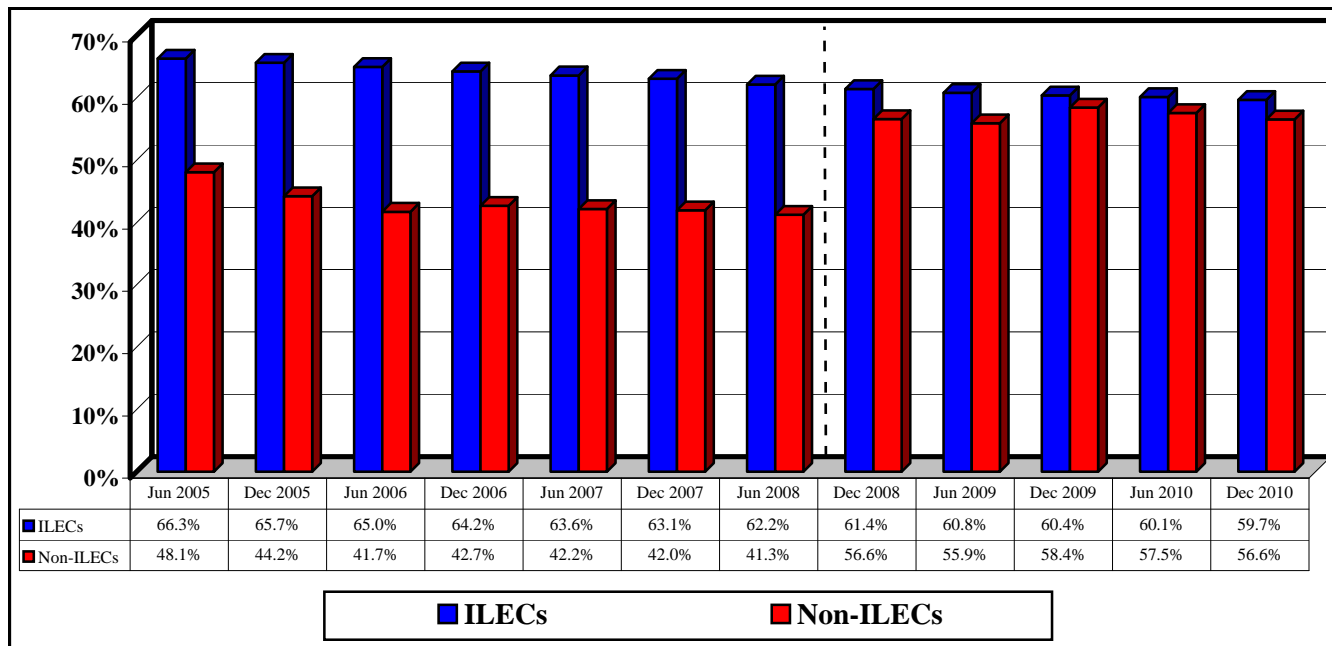


Table 3
End-User Switched Access Lines and VoIP Subscriptions Reported by Non-ILECs¹
(Lines and Subscriptions in Thousands)

Date	Reporting Non-ILECs	End-User Switched Access Lines and VoIP Subscriptions	End-User Switched Access Lines			VoIP	Percent			
			Acquired from other LECs		CLEC-owned local loops ³		Resold LEC service	ILEC UNEs	CLEC-owned local loops	VoIP
			Resold LEC service	ILEC UNEs ²						
Jun 2005	326	33,975	5,826	19,025	9,124	-	17.1	56.0	26.9	-
Dec 2005	382	31,388	6,704	14,521	10,163	-	21.4	46.3	32.4	-
Jun 2006	400	29,896	6,548	12,547	10,802	-	21.9	42.0	36.1	-
Dec 2006	397	28,626	5,819	11,663	11,144	-	20.3	40.7	38.9	-
Jun 2007	406	28,729	6,193	11,511	11,025	-	21.6	40.1	38.4	-
Dec 2007	443	28,725	6,430	10,582	11,713	-	22.4	36.8	40.8	-
Jun 2008	469	30,049	6,073	10,884	13,093	-	20.2	36.2	43.6	-
Dec 2008	705	44,267	7,083	9,612	6,359	21,216	16.0	21.7	14.4	47.9
Jun 2009	719	44,275	6,841	8,461	6,002	22,971	15.5	19.1	13.6	51.9
Dec 2009	754	45,854	7,100	8,029	5,993	24,730	15.5	17.5	13.1	53.9
Jun 2010	786	48,481	8,002	7,509	6,229	26,740	16.5	15.5	12.8	55.2
Dec 2010	804	51,054	7,983	6,959	7,293	28,817	15.6	13.6	14.3	56.4

Some data for June 2009, December 2009, and June 2010 have been revised. Figures may not sum to totals due to rounding.

¹ See footnote 1, Table 1.

² Includes unbundled network element (UNE) loops leased from an unaffiliated ILEC on a stand-alone basis and also UNE loops leased in combination with UNE switching or any other unbundled network element.

³ Lines provided over CLEC-owned "last-mile" facilities.

Chart 3
Non-ILEC End-User Switched Access Lines and VoIP Subscriptions as of December 30, 2010

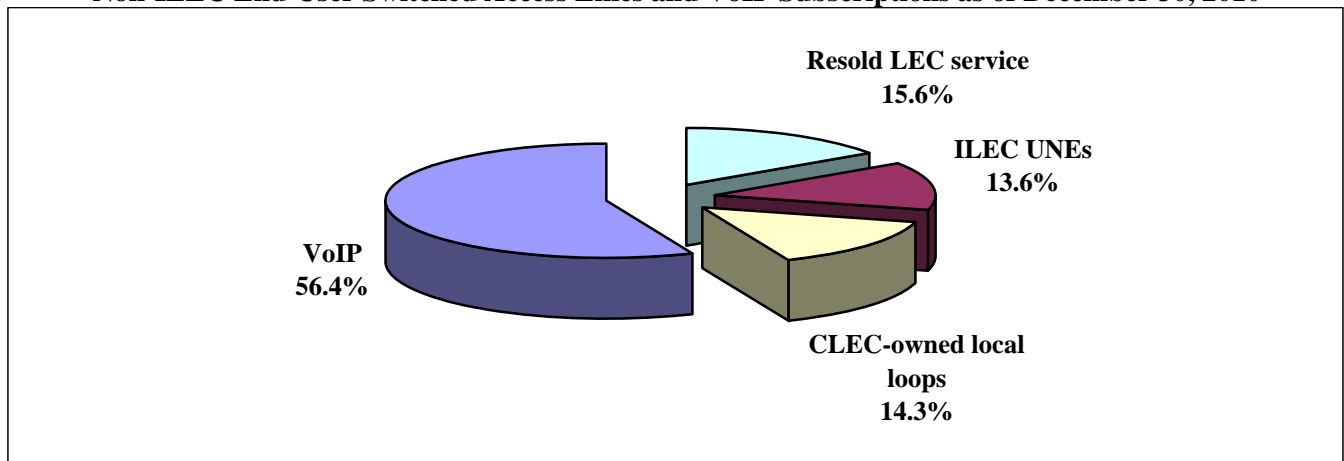


Table 4

**ILEC End-User (Retail) and Wholesale Switched Access Lines, VoIP Subscriptions, and UNEs¹
(Lines, Subscriptions, and UNEs in Thousands)**

Date	Reporting ILECs ²	ILEC Total Lines ³	End-User Switched Access Lines	VoIP	Switched Access Lines and UNEs Provided to CLECs					
					Resold Lines	UNEs			Total UNEs & Resold Lines	% of Total Lines
						Without Switching	With Switching ⁴	Total UNEs		
Jun 2005	757	164,449	143,758	-	1,796	4,300	14,596	18,895	20,691	12.6
Dec 2005	807	160,881	143,773	-	1,793	4,469	10,846	15,315	17,108	10.6
Jun 2006	805	156,872	142,293	-	1,723	4,413	8,443	12,856	14,579	9.3
Dec 2006	814	151,958	138,834	-	1,613	4,408	7,103	11,511	13,124	8.6
Jun 2007	816	146,672	134,640	-	1,517	4,285	6,230	10,515	12,032	8.2
Dec 2007	805	140,808	129,693	-	1,460	4,122	5,534	9,655	11,115	7.9
Jun 2008	800	134,846	124,606	-	1,473	3,827	4,941	8,768	10,241	7.6
Dec 2008	777	128,288	117,968	529	3,209	3,844	2,740	6,583	9,792	7.6
Jun 2009	778	121,884	111,790	958	3,012	3,580	2,543	6,123	9,136	7.5
Dec 2009	768	116,075	105,824	1,195	2,993	3,668	2,396	6,063	9,056	7.8
Jun 2010	765	110,804	100,433	1,962	5,028	3,254	127	3,381	8,408	7.6
Dec 2010	761	105,412	94,661	2,857	4,717	3,124	53	3,177	7,894	7.5

Some data for June 2009, December 2009, and June 2010 have been revised. Figures may not sum to totals due to rounding.

¹ See footnote 1, Table 1.

² Fewer ILECs were counted after mid-year 2007 primarily because FCC staff identified additional common-control relationships.

³ Sum of ILEC-reported end-user (retail) switched access lines, ILEC interconnected VoIP subscriptions, and ILEC wholesale switched access lines and UNEs provided to CLECs.

⁴ ILEC loops provided with ILEC switching, including the combination of ILEC loop UNE, switching UNE, and transport UNE, collectively referred to as the UNE-Platform ("UNE-P"). In the *Triennial Review Remand Order*, which was adopted on December 15, 2004, the Commission directed CLECs to migrate their retail customers served by these methods to alternative arrangements by March 11, 2006, i.e., within 12 months of the date the order went into effect. See C.F.R. § 51.319(d)(2)(ii).

**Chart 4
ILEC Total Lines and the Percent Provided to CLECs**

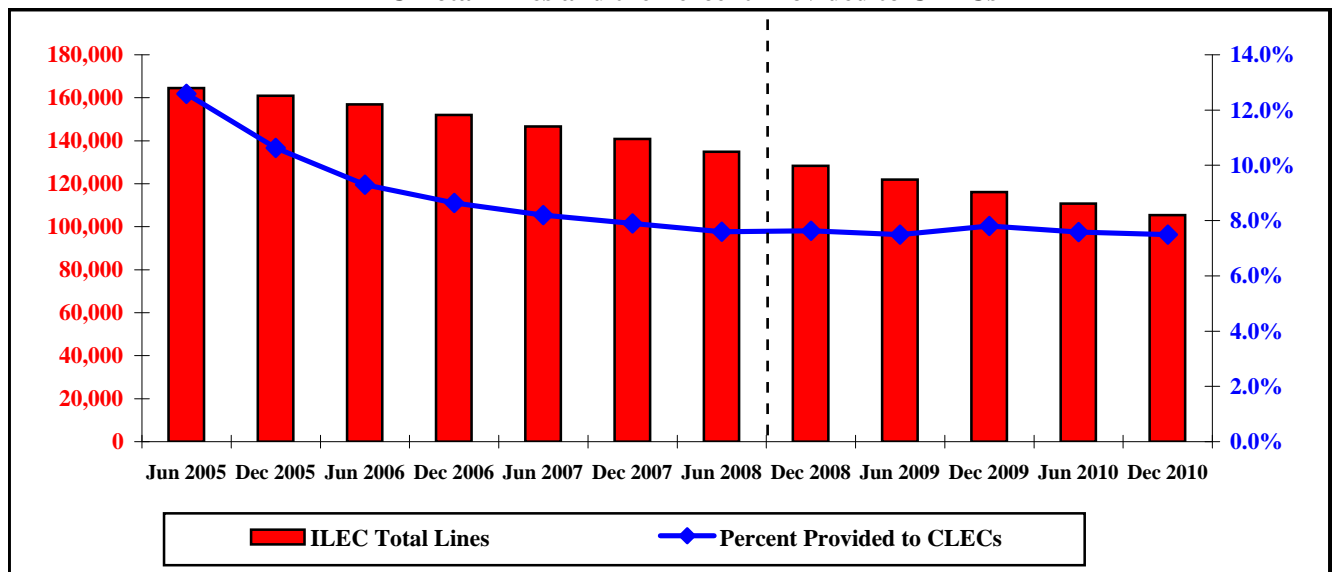


Table 5
End-User Switched Access Lines and VoIP Subscriptions
by Type of Technology for Non-ILEC Providers¹
(In Thousands)

Date	Coaxial Cable ²	Other Technology	Total	Percent Coaxial Cable
Jun 2005	4,571	29,404	33,975	13.5
Dec 2005	5,100	26,287	31,388	16.2
Jun 2006	6,070	23,826	29,896	20.3
Dec 2006	6,751	21,875	28,626	23.6
Jun 2007	7,730	21,000	28,729	26.9
Dec 2007	8,385	20,340	28,725	29.2
Jun 2008	9,352	20,697	30,049	31.1
Dec 2008	20,108	24,158	44,267	45.4
Jun 2009	21,547	22,728	44,275	48.7
Dec 2009	23,168	22,686	45,854	50.5
Jun 2010	24,336	24,145	48,481	50.2
Dec 2010	25,878	25,177	51,054	50.7

Some data for June 2009, December 2009, and June 2010 have been revised.

¹ See footnote 1, Table 1.

² Reported end-user switched access lines and interconnected VoIP connections that terminate on coaxial cable at the end user's premises. Starting, systematically, with the December 2008 data, interconnected VoIP service providers report subscriptions they sold in a bundle with cable modem Internet access service. For December 2008 and later dates, FCC staff used other Form 477 data to estimate the number of standalone VoIP subscriptions that terminated on coaxial cable at the end user's premises.

Chart 5
End-User Switched Access Lines and VoIP Subscriptions
by Type of Technology for Non-ILEC Providers
(In Thousands)

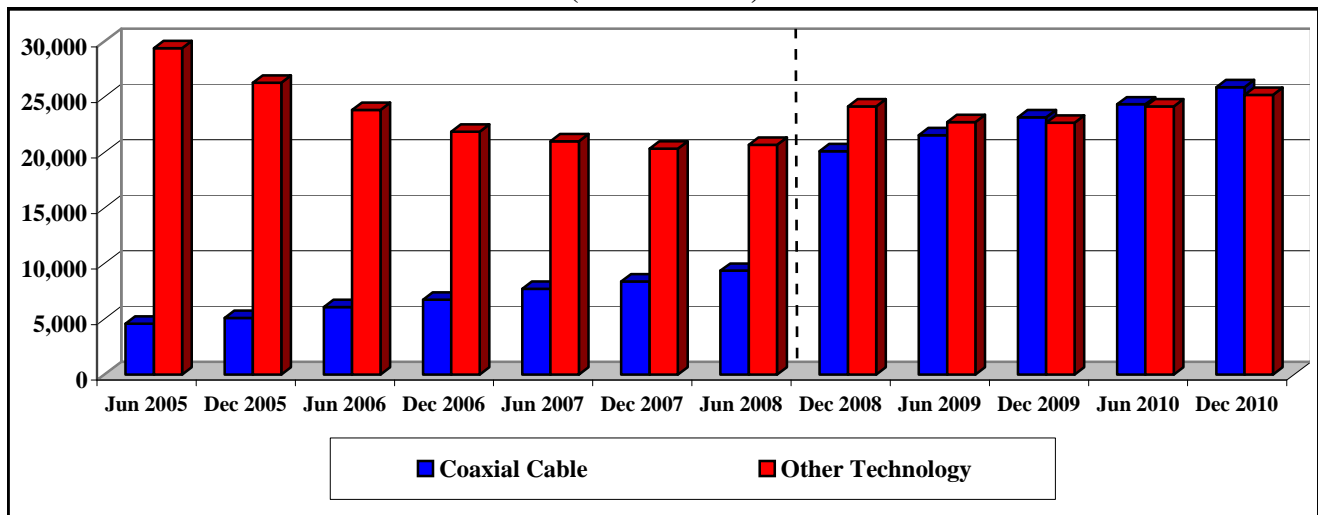


Table 6
Percentage of Switched Access Lines Presubscribed for Long Distance Service

	RBOC	Other ILEC	ILEC Total	CLEC	Total
Residential					
Jun 2006	59	58	59	85	62
Dec 2006	66	60	65	86	68
Jun 2007	66	61	65	86	68
Dec 2007	66	63	65	87	68
Jun 2008	66	64	66	88	69
Dec 2008	69	65	68	80	69
Jun 2009	70	66	69	80	70
Dec 2009	71	68	70	76	71
Jun 2010	71	68	70	76	71
Dec 2010	69	67	69	77	69
Business					
Jun 2006	38	37	38	69	46
Dec 2006	47	39	46	68	51
Jun 2007	49	42	48	72	54
Dec 2007	50	43	49	70	54
Jun 2008	49	44	49	72	55
Dec 2008	44	47	44	70	51
Jun 2009	42	49	43	72	51
Dec 2009	43	48	43	71	51
Jun 2010	43	52	44	73	53
Dec 2010	50	50	50	76	58
Total					
Jun 2006	51	52	51	76	56
Dec 2006	59	54	58	76	61
Jun 2007	59	56	59	78	62
Dec 2007	60	57	59	77	63
Jun 2008	60	58	59	79	63
Dec 2008	59	60	59	73	61
Jun 2009	58	61	59	74	61
Dec 2009	59	62	60	72	62
Jun 2010	59	63	60	74	62
Dec 2010	61	62	61	76	64

RBOC is an acronym for Regional Bell Operating Company. They currently are AT&T, Qwest, and Verizon.

Chart 6
Percent Presubscribed Interstate Long Distance Lines for ILECs

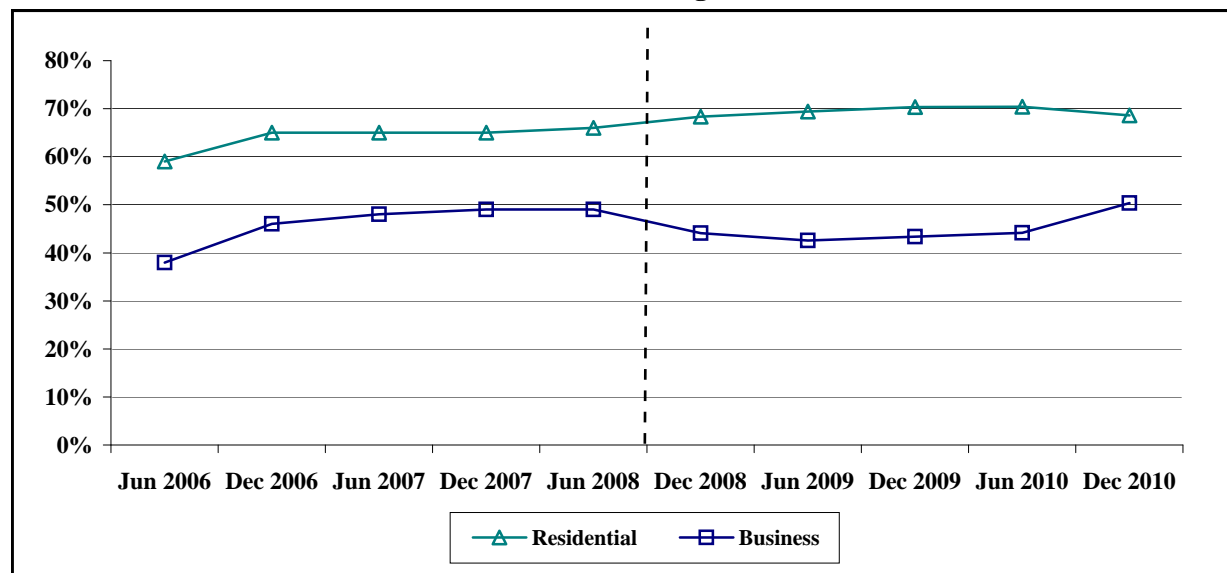


Table 7
Residential and Business Presubscribed Switched Access Lines
(In Thousands)

	December 31, 2010				
	RBOC	Other ILEC	ILEC Total	CLEC	Total
Residential					
Presubscribed	27,838	10,385	38,223	3,309	41,532
Not Presubscribed	12,465	5,023	17,488	1,007	18,495
All Lines	40,303	15,408	55,710	4,316	60,027
Percent Presubscribed	69%	67%	69%	77%	69%
Business					
Presubscribed	16,189	3,430	19,619	13,607	33,226
Not Presubscribed	15,917	3,414	19,331	4,313	23,644
All Lines	32,106	6,844	38,950	17,920	56,871
Percent Presubscribed	50%	50%	50%	76%	58%
Total					
Presubscribed	44,027	13,815	57,842	16,916	74,758
Not Presubscribed	28,382	8,437	36,819	5,320	42,140
All Lines	72,409	22,252	94,661	22,237	116,898
Percent Presubscribed	61%	62%	61%	76%	64%
	June 30, 2010				
	RBOC	Other ILEC	ILEC Total	CLEC	Total
Residential					
Presubscribed	32,864	9,323	42,186	3,476	45,662
Not Presubscribed	13,379	4,335	17,714	1,088	18,801
All Lines	46,242	13,658	59,900	4,563	64,463
Percent Presubscribed	71%	68%	70%	76%	71%
Business					
Presubscribed	14,933	2,968	17,901	12,591	30,491
Not Presubscribed	19,838	2,795	22,633	4,587	27,219
All Lines	34,771	5,762	40,533	17,178	57,711
Percent Presubscribed	43%	52%	44%	73%	53%
Total					
Presubscribed	47,796	12,290	60,087	16,067	76,153
Not Presubscribed	33,217	7,130	40,346	5,674	46,021
All Lines	81,013	19,420	100,433	21,741	122,174
Percent Presubscribed	59%	63%	60%	74%	62%

Some data for June 2010 have been revised. Figures may not sum to totals due to rounding.

RBOC is an acronym for Regional Bell Operating Company. They currently are AT&T, Qwest, and Verizon.

Table 8
Total End-User Switched Access Lines and VoIP Subscriptions by State as of December 31, 2010
(In Thousands)

State	ILECs				Non-ILECs				Total	Non-ILEC % of Total
	Switched Access Lines	VoIP purchased as		Total	Switched Access Lines	VoIP purchased as		Total		
		Stand- alone	Bundled with Internet			Stand- alone	Bundled with Internet			
Alabama	1,417	0	22	1,439	298	73	203	574	2,013	29
Alaska	260	0	0	260	*	1	*	*	*	*
American Samoa	10	0	0	10	0	0	0	0	10	0
Arizona	1,475	1	#	1,476	780	101	373	1,254	2,731	46
Arkansas	841	0	24	865	119	22	108	250	1,115	22
California	13,012	0	443	13,455	2,309	533	2,483	5,325	18,780	28
Colorado	1,473	0	0	1,473	398	91	452	942	2,415	39
Connecticut	1,196	0	72	1,268	210	60	481	751	2,019	37
Delaware	299	0	18	317	65	*	*	173	491	35
District of Columbia	674	0	5	679	122	24	65	210	889	24
Florida	5,586	0	212	5,798	1,148	470	1,808	3,426	9,224	37
Georgia	2,808	#	73	2,881	568	174	546	1,288	4,169	31
Guam	48	0	0	48	*	*	*	*	*	*
Hawaii	444	#	1	444	45	5	88	138	583	24
Idaho	455	#	#	455	110	11	55	177	632	28
Illinois	4,117	0	196	4,313	710	256	855	1,821	6,134	30
Indiana	1,984	#	80	2,064	249	86	356	692	2,756	25
Iowa	940	#	#	941	193	127	33	354	1,295	27
Kansas	747	#	26	774	227	31	178	436	1,209	36
Kentucky	1,263	#	8	1,272	236	32	313	581	1,853	31
Louisiana	1,349	0	20	1,369	301	54	264	619	1,988	31
Maine	438	0	0	438	139	14	130	283	721	39
Maryland	2,143	0	119	2,262	395	124	381	899	3,161	28
Massachusetts	1,981	0	84	2,065	959	148	856	1,964	4,028	49
Michigan	2,595	0	162	2,757	489	198	885	1,573	4,330	36
Minnesota	1,586	0	#	1,586	509	89	342	940	2,526	37
Mississippi	806	0	7	813	152	26	89	267	1,079	25
Missouri	1,975	#	80	2,055	260	78	271	609	2,664	23
Montana	327	#	0	327	43	9	65	117	444	26
Nebraska	501	0	#	501	247	18	94	359	860	42
Nevada	750	0	9	759	152	62	261	475	1,234	39
New Hampshire	342	0	0	342	144	40	212	395	737	54
New Jersey	2,785	#	151	2,937	940	169	1,350	2,458	5,395	46
New Mexico	618	0	0	618	76	17	75	168	786	21
New York	5,267	#	148	5,416	2,040	218	2,999	5,256	10,672	49
North Carolina	2,861	0	25	2,886	459	115	750	1,323	4,209	31
North Dakota	213	0	0	213	88	2	39	129	342	38
Northern Mariana Isl.	16	0	0	16	0	0	0	0	16	0
Ohio	3,409	0	106	3,515	605	93	915	1,613	5,128	31
Oklahoma	999	#	23	1,022	319	47	254	621	1,643	38
Oregon	1,003	0	0	1,003	250	58	321	629	1,633	39
Pennsylvania	4,259	#	128	4,387	1,256	232	984	2,472	6,859	36
Puerto Rico	707	0	0	707	*	*	102	234	941	25
Rhode Island	245	0	15	260	259	*	*	353	613	58
South Carolina	1,345	0	22	1,368	307	56	267	630	1,998	32
South Dakota	217	#	0	217	132	4	57	193	410	47
Tennessee	1,827	0	36	1,863	373	87	412	872	2,734	32
Texas	6,968	#	392	7,360	1,145	255	1,116	2,517	9,877	25
Utah	614	0	0	614	179	32	157	368	982	37
Vermont	253	0	0	253	48	*	*	116	369	32
Virgin Islands	58	0	0	58	0	*	0	*	*	*
Virginia	2,728	0	84	2,811	1,077	171	468	1,716	4,528	38
Washington	1,815	0	0	1,815	410	120	687	1,217	3,032	40
West Virginia	628	0	0	628	120	17	131	269	897	30
Wisconsin	1,811	0	63	1,874	312	65	413	791	2,665	30
Wyoming	174	#	#	175	13	7	42	62	237	26
Nationwide	94,661	2	2,855	97,518	22,237	4,805	24,012	51,054	148,572	34

= Rounds to zero. * = Data withheld to maintain firm confidentiality.

Table 9
Residential End-User Switched Access Lines and VoIP Subscriptions by State as of December 31, 2010
(In Thousands)

State	ILECs				Non-ILECs				Total	Non-ILEC % of Total
	Switched Access Lines	VoIP purchased as		Total	Switched Access Lines	VoIP purchased as		Total		
		Stand- alone	Bundled with Internet			Stand- alone	Bundled with Internet			
Alabama	923	0	20	943	100	68	174	342	1,285	27
Alaska	130	0	0	130	*	1	*	*	*	*
American Samoa	5	0	0	5	0	0	0	0	5	0
Arizona	883	0	0	883	389	78	269	736	1,619	45
Arkansas	524	0	23	547	17	18	85	120	666	18
California	7,181	0	370	7,551	567	434	1,898	2,899	10,451	28
Colorado	924	0	0	924	16	77	365	457	1,381	33
Connecticut	671	0	67	739	50	51	417	518	1,256	41
Delaware	169	0	17	186	6	*	*	107	293	37
District of Columbia	126	0	2	127	13	12	33	58	185	31
Florida	3,358	0	185	3,543	74	397	1,557	2,027	5,570	36
Georgia	1,647	#	58	1,705	109	155	453	717	2,422	30
Guam	24	0	0	24	*	*	*	*	*	*
Hawaii	243	0	0	243	#	5	77	81	325	25
Idaho	287	#	0	287	22	8	45	75	362	21
Illinois	2,154	0	173	2,328	75	230	721	1,025	3,353	31
Indiana	1,211	0	75	1,285	66	76	320	462	1,747	26
Iowa	620	0	#	620	77	123	9	210	830	25
Kansas	429	#	24	453	96	23	134	253	706	36
Kentucky	795	#	7	802	114	23	214	351	1,152	30
Louisiana	806	0	17	824	103	47	214	364	1,188	31
Maine	322	0	0	322	12	12	123	147	469	31
Maryland	1,145	0	110	1,254	69	97	340	506	1,760	29
Massachusetts	1,070	0	74	1,144	62	131	796	989	2,133	46
Michigan	1,391	0	145	1,536	135	183	834	1,152	2,688	43
Minnesota	1,094	0	0	1,094	91	83	290	465	1,560	30
Mississippi	493	0	5	499	47	24	84	154	653	24
Missouri	1,238	#	74	1,312	35	69	217	321	1,633	20
Montana	210	#	0	210	13	8	51	72	282	26
Nebraska	286	0	0	286	112	14	64	191	476	40
Nevada	428	0	8	436	4	52	217	273	709	38
New Hampshire	228	0	0	228	4	35	198	237	465	51
New Jersey	1,516	#	133	1,649	83	147	1,163	1,393	3,043	46
New Mexico	406	0	0	406	8	15	56	79	485	16
New York	2,962	#	126	3,088	236	170	2,597	3,003	6,091	49
North Carolina	1,790	0	22	1,812	49	100	681	830	2,641	31
North Dakota	144	0	0	144	45	2	33	80	225	36
Northern Mariana Isl.	8	0	0	8	0	0	0	0	8	0
Ohio	2,098	0	88	2,186	160	70	837	1,067	3,253	33
Oklahoma	609	#	22	631	174	37	201	411	1,042	39
Oregon	676	0	0	676	15	50	286	350	1,026	34
Pennsylvania	2,791	0	115	2,906	142	199	897	1,238	4,144	30
Puerto Rico	515	0	0	515	*	*	86	100	615	16
Rhode Island	149	0	14	164	101	*	*	175	339	52
South Carolina	881	0	17	897	79	45	225	348	1,246	28
South Dakota	136	#	0	136	84	4	44	132	268	49
Tennessee	1,175	0	31	1,206	85	79	338	502	1,707	29
Texas	3,947	#	347	4,294	141	209	973	1,323	5,618	24
Utah	382	0	0	382	19	28	131	178	560	32
Vermont	179	0	0	179	6	*	*	69	248	28
Virgin Islands	37	0	0	37	0	*	0	*	*	*
Virginia	1,559	0	71	1,630	210	127	368	706	2,335	30
Washington	1,168	0	0	1,168	41	108	627	775	1,943	40
West Virginia	433	0	0	433	12	15	123	150	583	26
Wisconsin	1,046	0	58	1,104	60	58	397	514	1,618	32
Wyoming	88	#	#	89	4	6	35	45	134	34
Nationwide	55,710	1	2,500	58,211	4,316	4,067	20,493	28,877	87,088	33

= Rounds to zero. * = Data withheld to maintain firm confidentiality.

Table 10
Business End-User Switched Access Lines and VoIP Subscriptions by State as of December 31, 2010
(In Thousands)

State	ILECs				Non-ILECs				Total	Non-ILEC % of Total
	Switched Access Lines	VoIP purchased as		Total	Switched Access Lines	VoIP purchased as		Total		
		Stand- alone	Bundled with Internet			Stand- alone	Bundled with Internet			
Alabama	494	0	2	496	198	5	29	232	728	32%
Alaska	130	0	0	130	*	#	*	*	*	*
American Samoa	5	0	0	5	0	0	0	0	5	0
Arizona	592	1	#	594	391	23	105	518	1,112	47
Arkansas	317	0	1	318	103	4	24	130	448	29
California	5,831	0	73	5,904	1,743	98	585	2,426	8,329	29
Colorado	549	0	0	549	383	15	87	484	1,034	47
Connecticut	525	0	5	530	160	9	64	233	763	31
Delaware	130	0	1	131	60	*	*	66	197	34
District of Columbia	548	0	4	552	109	12	32	152	704	22
Florida	2,228	0	27	2,255	1,074	73	252	1,399	3,654	38
Georgia	1,161	0	15	1,176	459	19	93	571	1,747	33
Guam	23	0	0	23	*	0	*	*	*	*
Hawaii	200	#	1	201	45	#	12	57	258	22
Idaho	168	#	#	168	89	2	11	102	270	38
Illinois	1,963	0	22	1,985	635	27	134	796	2,781	29
Indiana	774	#	5	779	184	11	36	230	1,009	23
Iowa	320	#	#	320	116	4	24	144	465	31
Kansas	318	0	2	320	131	7	44	183	503	36
Kentucky	468	#	2	470	122	9	100	230	701	33
Louisiana	543	0	2	545	197	8	50	255	800	32
Maine	116	0	0	116	127	2	7	136	252	54
Maryland	998	0	9	1,007	326	27	41	393	1,401	28
Massachusetts	911	0	10	921	898	17	60	975	1,896	51
Michigan	1,204	0	17	1,221	354	15	51	420	1,641	26
Minnesota	491	0	#	491	418	6	51	475	966	49
Mississippi	313	0	1	314	105	2	5	113	426	26
Missouri	737	0	6	743	225	9	54	288	1,031	28
Montana	117	0	0	117	30	2	13	45	162	28
Nebraska	215	0	#	215	134	4	30	168	383	44
Nevada	322	0	1	323	149	10	44	202	525	39
New Hampshire	115	0	0	115	139	4	14	158	273	58
New Jersey	1,269	0	18	1,287	856	22	187	1,065	2,352	45
New Mexico	212	0	0	212	67	3	19	89	301	30
New York	2,305	0	22	2,327	1,804	48	402	2,253	4,581	49
North Carolina	1,071	0	4	1,074	410	15	69	494	1,568	31
North Dakota	69	0	0	69	43	#	6	49	118	42
Northern Mariana Isl.	8	0	0	8	0	0	0	0	8	0
Ohio	1,311	0	18	1,329	445	22	78	546	1,874	29
Oklahoma	389	0	1	391	146	11	54	211	601	35
Oregon	327	0	0	327	235	8	36	279	607	46
Pennsylvania	1,469	#	12	1,481	1,114	33	88	1,234	2,715	45
Puerto Rico	192	0	0	192	*	*	17	134	326	41
Rhode Island	96	0	1	97	157	*	*	178	275	65
South Carolina	464	0	6	470	229	11	42	282	752	38
South Dakota	81	0	0	81	48	#	13	61	142	43
Tennessee	652	0	5	657	288	8	74	370	1,027	36
Texas	3,021	#	45	3,066	1,004	46	143	1,193	4,259	28
Utah	232	0	0	232	159	5	26	190	422	45
Vermont	73	0	0	73	43	*	*	47	121	39
Virgin Islands	21	0	0	21	0	*	0	*	*	*
Virginia	1,169	0	13	1,182	867	44	100	1,011	2,192	46
Washington	647	0	0	647	369	12	61	442	1,089	41
West Virginia	195	0	0	195	108	3	8	119	314	38
Wisconsin	765	0	5	770	252	8	17	277	1,047	26
Wyoming	86	0	0	86	9	1	7	17	103	17
Nationwide	38,950	1	355	39,307	17,920	738	3,519	22,178	61,485	36

= Rounds to zero. * = Data withheld to maintain firm confidentiality.

Table 11
Non-ILEC Share of Total End-User Switched Access Lines and VoIP Subscriptions by State¹

State	2006		2007		2008		2009		2010	
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec
Alabama	16 %	13 %	13 %	14 %	16 %	21 %	21 %	24 %	28 %	29 %
Alaska	26	*	*	*	*	*	*	*	*	*
American Samoa	0	0	0	0	0	0	0	0	0	0
Arizona	30	32	33	34	37	40	40	42	44	46
Arkansas	12	13	14	14	14	18	19	20	21	22
California	13	14	14	14	15	22	23	25	27	28
Colorado	19	17	17	16	19	31	32	34	36	39
Connecticut	12	12	13	14	15	29	31	33	35	37
Delaware	18	18	19	17	18	30	31	32	34	35
District of Columbia	14	14	14	14	15	20	20	21	21	24
Florida	15	13	13	13	14	27	28	31	36	37
Georgia	19	14	16	16	17	25	26	27	30	31
Guam	0	0	0	*	*	*	*	*	*	*
Hawaii	9	11	13	16	18	18	19	21	22	24
Idaho	11	10	11	11	11	17	17	19	25	28
Illinois	15	15	14	14	14	24	24	25	27	30
Indiana	10	10	9	9	11	18	19	20	23	25
Iowa	15	16	17	18	19	22	22	24	26	27
Kansas	24	23	25	26	28	31	31	32	34	36
Kentucky	16	15	16	19	18	25	27	28	28	31
Louisiana	18	16	17	18	21	23	24	27	29	31
Maine	16	16	17	20	24	30	33	36	38	39
Maryland	16	15	15	14	15	25	26	27	29	28
Massachusetts	24	24	23	24	25	39	40	42	44	49
Michigan	18	17	18	19	20	29	30	32	34	36
Minnesota	23	22	24	23	22	31	32	34	36	37
Mississippi	13	10	10	10	11	16	17	20	23	25
Missouri	13	13	14	14	15	18	18	20	22	23
Montana	12	14	16	18	19	21	22	23	24	26
Nebraska	27	28	29	30	31	34	35	38	39	42
Nevada	17	15	24	22	26	30	31	33	36	39
New Hampshire	24	23	23	23	25	42	45	49	51	54
New Jersey	17	18	17	17	18	34	36	38	40	46
New Mexico	8	8	8	8	9	14	15	17	19	21
New York	27	27	28	29	31	41	42	44	46	49
North Carolina	16	16	18	19	20	24	25	27	30	31
North Dakota	20	21	21	22	24	32	31	35	36	38
Northern Mariana Isl.	0	0	0	0	0	0	0	0	0	0
Ohio	15	16	18	20	23	25	26	28	29	31
Oklahoma	20	21	23	25	27	30	30	34	35	38
Oregon	16	17	18	18	18	31	32	34	36	39
Pennsylvania	20	19	20	20	21	30	30	32	34	36
Puerto Rico	*	*	*	*	19	22	25	22	26	25
Rhode Island	43	46	47	48	50	52	53	54	54	58
South Carolina	15	14	16	17	19	23	24	26	30	32
South Dakota	33	30	30	31	32	36	36	44	45	47
Tennessee	18	15	16	17	18	25	25	28	30	32
Texas	16	17	16	17	18	22	22	23	24	25
Utah	24	21	22	20	21	26	32	34	35	37
Vermont	12	12	12	12	13	24	23	27	29	32
Virgin Islands	*	0	0	0	0	*	0	*	*	*
Virginia	21	22	22	23	23	31	32	34	35	38
Washington	14	14	15	14	16	30	32	35	37	40
West Virginia	12	13	13	14	16	22	24	27	29	30
Wisconsin	19	20	21	23	24	26	26	27	27	30
Wyoming	14	15	17	18	19	21	21	22	24	26
Nationwide	17 %	17 %	18 %	18 %	19 %	27 %	28 %	30 %	32 %	34 %

* = Data withheld to maintain firm confidentiality. NA = Not available. Some data for June 2009, December 2009, and June 2010 have been revised.

¹ See footnote 1, Table 1.

Table 12
Non-ILEC Total End-User Switched Access Lines and VoIP Subscriptions by State¹
(In Thousands)

State	2006		2007		2008		2009		2010	
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec
Alabama	366	301	298	315	352	463	452	493	573	574
Alaska	116	*	*	*	*	*	*	*	*	*
American Samoa	0	0	0	0	0	0	0	0	0	0
Arizona	970	1,018	1,043	1,071	1,129	1,227	1,170	1,189	1,245	1,254
Arkansas	163	166	178	173	175	220	224	230	248	250
California	2,900	3,046	2,898	2,984	3,101	4,607	4,753	4,845	5,140	5,325
Colorado	529	452	425	395	449	847	823	835	893	942
Connecticut	262	261	261	265	291	630	644	680	706	751
Delaware	102	100	99	85	85	166	165	165	173	173
District of Columbia	145	144	137	131	136	183	179	190	183	210
Florida	1,618	1,340	1,298	1,265	1,276	2,748	2,734	2,903	3,435	3,426
Georgia	909	655	730	725	764	1,174	1,132	1,169	1,314	1,288
Guam	0	0	0	*	*	*	*	*	*	*
Hawaii	61	74	88	103	115	114	117	125	128	138
Idaho	81	76	78	75	79	123	116	123	159	177
Illinois	1,139	1,075	950	909	875	1,667	1,610	1,630	1,653	1,821
Indiana	338	335	293	284	313	565	562	592	649	692
Iowa	230	238	251	269	273	309	310	322	344	354
Kansas	347	327	349	358	375	419	413	408	429	436
Kentucky	337	313	328	371	331	497	508	521	520	581
Louisiana	394	358	363	383	449	491	507	539	586	619
Maine	135	123	135	150	181	233	250	274	282	283
Maryland	591	552	527	475	479	868	889	909	952	899
Massachusetts	979	928	865	844	871	1,602	1,589	1,641	1,692	1,964
Michigan	993	883	923	893	927	1,458	1,449	1,499	1,515	1,573
Minnesota	676	641	659	613	572	877	862	904	926	940
Mississippi	161	125	125	112	122	184	184	214	253	267
Missouri	426	403	436	448	471	523	518	553	597	609
Montana	62	72	82	93	96	101	103	104	109	117
Nebraska	244	249	258	265	274	299	302	332	330	359
Nevada	246	219	356	307	372	420	410	415	450	475
New Hampshire	196	182	171	165	167	347	351	376	388	395
New Jersey	994	977	897	859	866	1,946	1,984	2,001	2,103	2,458
New Mexico	77	75	77	73	75	123	128	138	157	168
New York	3,043	2,942	2,868	2,941	3,125	4,563	4,574	4,705	4,790	5,256
North Carolina	798	768	846	888	953	1,101	1,137	1,199	1,324	1,323
North Dakota	68	70	71	71	76	113	104	123	126	129
Northern Mariana Isl.	0	0	0	0	0	0	0	0	0	0
Ohio	963	962	1,069	1,171	1,365	1,473	1,448	1,490	1,547	1,613
Oklahoma	362	387	420	445	474	521	504	570	572	621
Oregon	306	318	325	308	300	575	562	581	614	629
Pennsylvania	1,572	1,437	1,521	1,407	1,423	2,205	2,157	2,197	2,317	2,472
Puerto Rico	*	*	*	*	186	210	234	170	244	234
Rhode Island	276	287	291	290	301	317	311	311	308	353
South Carolina	330	321	349	369	399	478	497	535	621	630
South Dakota	135	119	117	119	124	140	136	183	188	193
Tennessee	576	465	483	510	523	756	725	790	859	872
Texas	1,906	1,969	1,859	1,944	1,919	2,387	2,352	2,365	2,443	2,517
Utah	282	245	242	212	211	274	340	351	359	368
Vermont	49	48	47	47	47	90	91	102	110	116
Virgin Islands	*	0	0	0	0	*	#	*	*	*
Virginia	1,047	1,032	1,048	1,034	1,043	1,443	1,475	1,563	1,585	1,716
Washington	506	479	480	428	471	1,031	1,023	1,092	1,157	1,217
West Virginia	117	119	121	132	141	196	214	235	248	269
Wisconsin	612	653	684	709	744	770	755	771	728	791
Wyoming	39	44	46	48	51	54	53	54	58	62
Total	29,896	28,626	28,729	28,725	30,049	44,267	44,275	45,854	48,481	51,054

= Rounds to zero. * = Data withheld to maintain firm confidentiality. Some data for June 2009, December 2009, and June 2010 have been revised.

¹ See footnote 1, Table 1.

Table 13
ILEC Total End-User Switched Access Lines and VoIP Subscriptions by State¹
(In Thousands)

State	2006		2007		2008		2009		2010	
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec
Alabama	1,979	2,016	1,982	1,991	1,861	1,746	1,665	1,579	1,506	1,439
Alaska	325	321	318	301	294	289	282	273	271	260
American Samoa	11	11	11	10	11	10	10	10	10	10
Arizona	2,227	2,175	2,109	2,035	1,943	1,847	1,741	1,649	1,563	1,476
Arkansas	1,193	1,164	1,132	1,105	1,069	1,021	982	941	904	865
California	19,479	18,926	18,485	17,864	17,149	16,345	15,555	14,796	14,118	13,455
Colorado	2,276	2,207	2,133	2,057	1,973	1,873	1,758	1,656	1,569	1,473
Connecticut	1,928	1,849	1,785	1,681	1,632	1,540	1,463	1,389	1,326	1,268
Delaware	468	450	432	414	396	380	363	344	331	317
District of Columbia	892	855	832	797	788	737	714	697	680	679
Florida	9,013	8,975	8,708	8,356	7,932	7,440	6,918	6,491	6,138	5,798
Georgia	3,844	4,045	3,957	3,824	3,675	3,468	3,304	3,156	3,011	2,881
Guam	68	68	67	66	62	54	51	49	48	48
Hawaii	608	584	562	541	516	512	489	473	455	444
Idaho	666	664	651	628	609	582	550	514	486	455
Illinois	6,354	6,154	5,976	5,773	5,562	5,342	5,086	4,812	4,581	4,313
Indiana	3,080	2,971	2,875	2,766	2,665	2,547	2,434	2,300	2,186	2,064
Iowa	1,302	1,273	1,245	1,200	1,162	1,113	1,077	1,024	987	941
Kansas	1,100	1,074	1,046	1,012	977	939	899	858	820	774
Kentucky	1,732	1,725	1,684	1,616	1,542	1,458	1,387	1,352	1,317	1,272
Louisiana	1,800	1,825	1,801	1,759	1,710	1,634	1,561	1,489	1,426	1,369
Maine	692	669	649	611	579	542	519	482	463	438
Maryland	3,166	3,079	2,984	2,886	2,792	2,588	2,520	2,403	2,333	2,262
Massachusetts	3,076	2,927	2,830	2,712	2,609	2,493	2,369	2,238	2,149	2,065
Michigan	4,491	4,303	4,118	3,895	3,719	3,514	3,323	3,113	2,952	2,757
Minnesota	2,273	2,210	2,137	2,078	2,006	1,922	1,826	1,725	1,666	1,586
Mississippi	1,089	1,108	1,091	1,035	1,018	963	922	879	848	813
Missouri	2,842	2,778	2,722	2,650	2,568	2,465	2,367	2,259	2,162	2,055
Montana	460	445	435	416	406	387	371	351	342	327
Nebraska	661	644	628	624	606	584	564	543	521	501
Nevada	1,233	1,200	1,158	1,106	1,042	972	911	856	809	759
New Hampshire	624	598	575	546	507	470	435	385	366	342
New Jersey	4,784	4,543	4,354	4,137	3,936	3,734	3,519	3,288	3,112	2,937
New Mexico	877	860	834	816	783	754	713	682	651	618
New York	8,297	7,900	7,417	7,068	6,902	6,557	6,234	5,900	5,653	5,416
North Carolina	4,060	4,067	3,973	3,847	3,715	3,519	3,335	3,189	3,045	2,886
North Dakota	272	267	261	253	248	241	233	224	220	213
Northern Mariana Isl.	21	21	19	18	18	17	17	16	16	16
Ohio	5,368	5,168	4,973	4,763	4,537	4,326	4,124	3,914	3,719	3,515
Oklahoma	1,470	1,425	1,375	1,321	1,267	1,215	1,169	1,117	1,070	1,022
Oregon	1,627	1,562	1,502	1,429	1,359	1,286	1,210	1,140	1,080	1,003
Pennsylvania	6,385	6,175	5,953	5,775	5,494	5,243	5,029	4,771	4,571	4,387
Puerto Rico	1,035	994	916	809	786	755	698	610	706	707
Rhode Island	363	340	327	312	302	292	281	270	264	260
South Carolina	1,908	1,909	1,866	1,798	1,728	1,629	1,561	1,488	1,429	1,368
South Dakota	280	278	276	268	261	251	244	233	227	217
Tennessee	2,676	2,695	2,618	2,537	2,436	2,297	2,170	2,061	1,962	1,863
Texas	9,958	9,738	9,608	9,329	9,020	8,673	8,307	7,999	7,678	7,360
Utah	915	894	864	844	811	776	725	690	657	614
Vermont	370	362	355	340	323	289	299	280	265	253
Virgin Islands	69	68	67	64	62	61	59	57	59	58
Virginia	3,844	3,734	3,642	3,540	3,422	3,265	3,160	3,050	2,944	2,811
Washington	2,994	2,868	2,762	2,643	2,509	2,367	2,211	2,071	1,962	1,815
West Virginia	852	828	806	780	752	714	677	637	606	628
Wisconsin	2,670	2,605	2,516	2,422	2,336	2,246	2,156	2,051	1,970	1,874
Wyoming	245	238	233	225	218	209	200	190	183	175
Total	142,293	138,834	134,640	129,693	124,606	118,496	112,748	107,019	102,395	97,518

Some data for June 2009, December 2009, and June 2010 have been revised.

¹ See footnote 1, Table 1.

Table 14
Non-ILEC Methods of Providing Wireline Telephone Services by State
as of December 31, 2010
(In Thousands)

State	Resold LEC service	ILEC UNEs	CLEC-owned local loops	VoIP Subscriptions¹	Total
Alabama	83	124	91	276	574
Alaska	*	*	*	*	*
American Samoa	0	0	0	0	0
Arizona	166	118	496	475	1,254
Arkansas	30	22	67	131	250
California	1,218	453	638	3,016	5,325
Colorado	165	168	67	543	942
Connecticut	48	62	99	541	751
Delaware	33	30	2	108	173
District of Columbia	61	23	37	89	210
Florida	370	504	275	2,279	3,426
Georgia	137	292	139	720	1,288
Guam	*	*	*	*	*
Hawaii	25	3	17	94	138
Idaho	21	28	62	66	177
Illinois	283	273	153	1,111	1,821
Indiana	73	78	98	442	692
Iowa	59	40	94	161	354
Kansas	73	41	113	209	436
Kentucky	66	71	100	345	581
Louisiana	104	97	100	318	619
Maine	26	60	53	144	283
Maryland	187	127	80	504	899
Massachusetts	330	230	400	1,004	1,964
Michigan	116	303	70	1,083	1,573
Minnesota	116	258	135	431	940
Mississippi	65	45	43	115	267
Missouri	90	113	59	349	609
Montana	7	11	25	74	117
Nebraska	72	7	167	112	359
Nevada	81	34	37	323	475
New Hampshire	43	68	34	251	395
New Jersey	440	161	339	1,519	2,458
New Mexico	38	13	25	92	168
New York	879	550	611	3,217	5,256
North Carolina	138	178	143	864	1,323
North Dakota	5	16	67	41	129
Northern Mariana Isl.	0	0	0	0	0
Ohio	166	208	230	1,007	1,613
Oklahoma	110	64	146	302	621
Oregon	50	149	51	379	629
Pennsylvania	440	356	460	1,216	2,472
Puerto Rico	17	*	*	*	234
Rhode Island	31	24	203	95	353
South Carolina	107	124	75	323	630
South Dakota	5	1	125	61	193
Tennessee	134	120	119	499	872
Texas	431	455	258	1,371	2,517
Utah	59	82	37	189	368
Vermont	13	26	9	68	116
Virgin Islands	0	0	0	*	*
Virginia	558	195	324	639	1,716
Washington	126	192	91	807	1,217
West Virginia	25	76	19	149	269
Wisconsin	53	210	49	479	791
Wyoming	6	3	4	49	62
Total	7,983	6,959	7,293	28,817	51,054

* = Data withheld to maintain firm confidentiality. Figures may not sum to totals due to rounding.

¹ See footnote 1, Table 1.

Table 15
Percentage of End-User Switched Access Lines and VoIP Subscriptions
Provided to Residential Customers by State as of December 31, 2010

State	ILECs	Non-ILECs	Total
Alabama	66%	60%	64%
Alaska	50	*	*
American Samoa	50	NA	50
Arizona	60	59	59
Arkansas	63	48	60
California	56	54	56
Colorado	63	49	57
Connecticut	58	69	62
Delaware	59	62	60
District of Columbia	19	28	21
Florida	61	59	60
Georgia	59	56	58
Guam	50	*	*
Hawaii	55	59	56
Idaho	63	42	57
Illinois	54	56	55
Indiana	62	67	63
Iowa	66	59	64
Kansas	59	58	58
Kentucky	63	60	62
Louisiana	60	59	60
Maine	74	52	65
Maryland	55	56	56
Massachusetts	55	50	53
Michigan	56	73	62
Minnesota	69	49	62
Mississippi	61	58	61
Missouri	64	53	61
Montana	64	62	64
Nebraska	57	53	55
Nevada	57	57	57
New Hampshire	67	60	63
New Jersey	56	57	56
New Mexico	66	47	62
New York	57	57	57
North Carolina	63	63	63
North Dakota	68	62	66
Northern Mariana Isl.	50	NA	50
Ohio	62	66	63
Oklahoma	62	66	63
Oregon	67	56	63
Pennsylvania	66	50	60
Puerto Rico	73	43	65
Rhode Island	63	50	55
South Carolina	66	55	62
South Dakota	63	68	65
Tennessee	65	58	62
Texas	58	53	57
Utah	62	48	57
Vermont	71	59	67
Virgin Islands	64	*	*
Virginia	58	41	52
Washington	64	64	64
West Virginia	69	56	65
Wisconsin	59	65	61
Wyoming	51	73	57
Nationwide	60	57	59

* = Data withheld to maintain firm confidentiality. NA = Not applicable.

Table 16
Number of Reporting ILECs, Non-ILECs, and VoIP Providers by State
as of December 31, 2010

State	ILECs	Non-ILECs	Total¹	VoIP Providers²
Alabama	21	108	122	77
Alaska	16	15	30	13
American Samoa	1	0	1	0
Arizona	15	108	120	86
Arkansas	20	79	96	57
California	15	164	175	125
Colorado	26	115	139	92
Connecticut	2	83	83	66
Delaware	1	70	71	51
District of Columbia	1	80	81	58
Florida	10	193	198	131
Georgia	27	155	174	111
Guam	1	4	5	3
Hawaii	2	36	38	30
Idaho	20	67	83	52
Illinois	43	161	195	113
Indiana	29	123	144	83
Iowa	135	107	215	57
Kansas	38	97	123	65
Kentucky	18	115	123	77
Louisiana	11	95	100	62
Maine	7	59	63	38
Maryland	2	113	113	80
Massachusetts	4	105	107	80
Michigan	26	114	132	81
Minnesota	49	110	143	69
Mississippi	13	96	103	66
Missouri	32	105	130	78
Montana	19	59	72	44
Nebraska	32	69	92	48
Nevada	12	85	96	68
New Hampshire	6	70	76	54
New Jersey	4	128	130	98
New Mexico	17	73	85	52
New York	26	143	159	106
North Carolina	19	135	146	97
North Dakota	23	50	67	29
Northern Mariana Isl	1	0	1	0
Ohio	33	133	157	97
Oklahoma	39	89	123	60
Oregon	24	97	117	74
Pennsylvania	23	137	152	102
Puerto Rico	1	18	18	17
Rhode Island	1	58	59	43
South Carolina	17	112	117	75
South Dakota	29	50	70	36
Tennessee	18	119	131	83
Texas	52	179	212	117
Utah	12	77	87	61
Vermont	7	56	62	42
Virgin Islands	1	1	2	1
Virginia	15	119	130	94
Washington	17	117	130	94
West Virginia	6	66	69	50
Wisconsin	40	113	139	68
Wyoming	11	57	63	40
Nationwide	761	804	1,354	466

¹ Holding companies or common-control entities that report both ILEC and non-ILEC operations in a state are counted once in the ILECs column and once in the Non-ILECs column and once in the Total column for that state. Either type of operations might report interconnected VoIP subscribers.

² The providers reporting interconnected VoIP subscribers in a state are a subset of the ILECs and non-ILECs in that state.

Table 17
Mobile Telephone Facilities-based Carriers and Mobile Telephony Subscribers

State	Dec 2010		Subscribers (In Thousands)									
	Carriers	% Resold ¹	2006		2007		2008		2009		2010	
		Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	
Alabama	11	13 %	3,276	3,375	3,605	3,765	3,887	3,960	4,003	4,228	4,211	4,328
Alaska	12	5	397	412	432	460	480	383	544	586	590	608
American Samoa	2	*	*	*	*	*	*	*	*	*	*	*
Arizona	11	6	4,153	4,405	4,637	4,800	4,936	4,983	5,005	5,101	5,268	5,285
Arkansas	8	17	1,924	2,044	2,149	2,288	2,446	2,530	2,576	2,519	2,485	2,673
California	12	5	27,497	29,717	30,204	32,247	31,946	32,177	32,215	32,938	33,548	33,839
Colorado	13	9	3,428	3,608	3,756	3,968	4,066	4,311	4,357	4,503	4,647	4,687
Connecticut	8	7	2,582	2,705	2,787	2,884	2,959	3,030	3,047	3,123	3,192	3,230
Delaware	9	8	650	683	724	751	775	778	779	803	859	851
District of Columbia	8	8	879	880	966	936	1,047	1,096	1,116	1,183	1,227	1,249
Florida	11	9	14,177	14,762	15,255	15,605	15,809	16,158	16,425	16,744	16,895	17,251
Georgia	13	11	6,865	7,282	7,598	7,941	8,142	8,322	8,562	8,863	8,869	9,063
Guam	2	*	*	*	*	*	*	*	*	*	*	*
Hawaii	7	4	1,010	1,035	1,067	1,096	1,115	1,184	1,196	1,216	1,248	1,252
Idaho	15	6	901	973	1,019	1,086	1,125	1,167	1,180	1,221	1,269	1,277
Illinois	15	9	9,148	9,589	9,949	10,330	10,634	10,919	11,070	11,523	11,604	12,057
Indiana	12	10	3,973	4,271	4,448	4,675	4,824	4,956	4,983	5,205	5,289	5,410
Iowa	72	8	1,867	2,010	2,058	2,166	2,245	2,319	2,336	2,432	2,466	2,535
Kansas	15	13	1,905	2,047	2,133	2,261	2,326	2,421	2,430	2,466	2,491	2,560
Kentucky	12	11	2,821	2,966	3,101	3,291	3,343	3,445	3,439	3,631	3,654	3,726
Louisiana	12	13	3,356	3,492	3,612	3,765	3,896	4,012	4,053	3,993	3,953	4,340
Maine	8	21	787	845	882	941	972	1,012	1,006	1,065	1,040	1,124
Maryland	10	7	4,471	4,691	4,818	5,024	5,124	5,234	5,260	5,323	5,500	5,560
Massachusetts	8	9	4,917	5,129	5,289	5,470	5,624	5,749	6,027	6,171	6,367	6,316
Michigan	11	13	6,863	7,094	7,333	7,608	7,821	8,027	8,171	8,576	8,690	8,861
Minnesota	11	9	3,543	3,702	3,834	4,048	4,164	4,345	4,254	4,439	4,611	4,704
Mississippi	10	11	1,923	2,030	2,070	2,196	2,252	2,312	2,361	2,345	2,322	2,440
Missouri	13	10	4,068	4,322	4,480	4,674	4,835	4,940	4,985	5,129	5,141	5,309
Montana	11	11	575	620	650	694	723	748	707	802	783	846
Nebraska	11	7	1,199	1,272	1,325	1,387	1,451	1,496	1,508	1,515	1,566	1,523
Nevada	12	9	1,883	1,990	2,093	2,167	2,249	2,268	2,325	2,393	2,417	2,453
New Hampshire	9	12	897	943	973	1,022	1,045	1,080	1,075	1,125	1,141	1,170
New Jersey	9	6	6,954	7,207	7,419	7,654	7,834	8,008	8,036	8,158	8,624	8,601
New Mexico	10	6	1,253	1,333	1,416	1,489	1,555	1,536	1,550	1,624	1,668	1,689
New York	11	9	14,574	15,262	15,901	16,395	17,260	16,702	18,193	18,882	19,303	19,504
North Carolina	13	11	6,209	6,627	6,962	7,306	7,428	8,024	8,193	8,108	8,259	8,526
North Dakota	11	7	457	473	492	513	541	581	562	618	590	623
Northern Mariana Isl.	2	*	*	*	*	*	*	*	*	*	*	*
Ohio	12	12	7,939	8,380	8,723	9,099	9,357	9,565	9,456	10,059	10,236	10,511
Oklahoma	17	7	2,317	2,480	2,572	2,723	2,808	2,889	2,988	3,077	3,109	3,188
Oregon	11	8	2,484	2,656	2,781	2,923	3,007	3,084	3,112	3,235	3,297	3,340
Pennsylvania	14	11	8,349	8,831	9,201	9,615	9,895	10,214	10,455	10,867	11,070	11,424
Puerto Rico	6	6	2,171	2,301	2,323	2,411	2,502	2,624	2,706	2,807	2,879	3,014
Rhode Island	7	7	765	798	829	848	874	888	880	893	906	920
South Carolina	15	11	3,001	3,209	3,340	3,500	3,573	3,323	3,374	3,896	3,848	3,960
South Dakota	9	9	514	548	570	596	611	631	613	681	681	728
Tennessee	13	11	4,731	5,127	4,971	5,246	5,791	5,518	5,676	5,914	6,041	6,193
Texas	25	7	16,928	17,822	18,792	19,677	20,390	21,008	21,403	21,849	22,201	23,037
Utah	13	5	1,649	1,775	1,874	1,971	2,046	2,095	2,109	2,166	2,220	2,251
Vermont	6	16	334	358	375	402	421	435	398	463	431	485
Virgin Islands	3	*	*	*	*	*	*	*	*	*	*	*
Virginia	11	9	5,325	5,607	6,148	6,416	6,242	6,856	6,596	7,250	7,440	7,595
Washington	11	7	4,495	4,799	5,035	5,292	5,461	5,624	5,671	5,816	5,965	6,022
West Virginia	11	20	965	1,040	1,095	1,173	1,236	1,295	1,315	1,401	1,406	1,500
Wisconsin	13	11	3,517	3,510	3,641	3,842	3,966	4,265	4,317	4,546	4,599	4,704
Wyoming	12	9	359	387	410	441	457	484	429	517	501	526
Nationwide	181	9 %	217,418	229,619	238,316	249,332	255,729	261,284	265,332	274,283	278,918	285,125

* = Data withheld to maintain firm confidentiality. Some data for June 2009, December 2009, and June 2010 have been revised.

¹ Percentage of mobile telephony subscribers purchasing their service subscriptions from a mobile wireless reseller.

Table 18
Percentage of ZIP Codes with CLECs or Non-ILEC VoIP Providers¹

Number of Providers ²	2006		2007		2008		2009		2010	
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec
Zero	17.7 %	17.7 %	17.7 %	19.4 %	18.3 %	7.7 %	8.7 %	9.3 %	7.1 %	6.9 %
One	11.3	11.1	11.1	11.7	11.6	9.2	10.1	10.1	8.7	8.6
Two	7.8	8.2	8.3	8.3	8.6	7.8	7.9	7.6	7.4	7.6
Three	6.2	6.7	6.7	6.2	6.3	6.4	6.1	6.2	6.2	6.3
Four	5.0	5.2	5.4	5.0	5.0	5.4	5.4	5.2	5.2	5.5
Five	4.2	4.4	4.4	3.9	4.1	4.8	4.6	4.5	4.7	5.0
Six	3.5	3.8	3.8	3.5	3.5	4.2	4.0	3.8	4.2	4.2
Seven	3.2	3.2	3.4	3.3	3.2	3.6	3.4	3.5	3.6	3.7
Eight	2.9	3.0	2.8	2.9	3.0	3.2	3.1	3.0	3.4	3.5
Nine	2.8	2.7	2.9	2.6	2.7	2.8	2.6	2.7	2.8	3.0
Ten or More	35.3	34.0	33.5	33.1	33.6	44.7	44.0	44.0	46.6	45.7

Table 19
Percentage of Households in ZIP Codes with CLECs or Non-ILEC VoIP Providers¹

Number of Providers ²	2006		2007		2008		2009		2010	
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec
Zero	2.3 %	2.4 %	2.4 %	2.8 %	2.6 %	0.4 %	0.5 %	0.6 %	0.4 %	0.4 %
One	2.4	2.5	2.4	2.6	2.4	0.9	1.2	1.2	0.9	0.8
Two	2.1	2.2	2.2	2.4	2.4	1.2	1.3	1.3	1.0	1.1
Three	2.2	2.4	2.3	2.5	2.4	1.3	1.4	1.4	1.3	1.2
Four	2.3	2.4	2.4	2.2	2.2	1.3	1.5	1.5	1.3	1.3
Five	2.0	2.4	2.5	2.2	2.2	1.6	1.4	1.5	1.4	1.4
Six	1.9	2.4	2.3	2.2	2.1	1.7	1.5	1.5	1.3	1.5
Seven	2.2	2.4	2.4	2.5	2.3	1.8	1.5	1.6	1.4	1.5
Eight	2.3	2.5	2.4	2.8	2.8	1.7	1.8	1.6	1.6	1.8
Nine	2.7	2.5	2.8	2.8	2.7	1.6	1.6	1.7	1.6	1.5
Ten or More	77.4	76.1	75.8	75.0	75.9	86.6	86.2	86.1	87.9	87.4

Demographic data were created by geographically merging contemporaneous Tele Atlas ® Dynamap ® ZIP Code Boundary and Inventory Files with census block-level population data from the 2000 Census of Population and Housing. Figures may not add to 100% due to rounding.

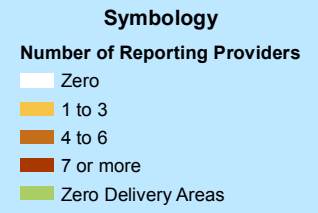
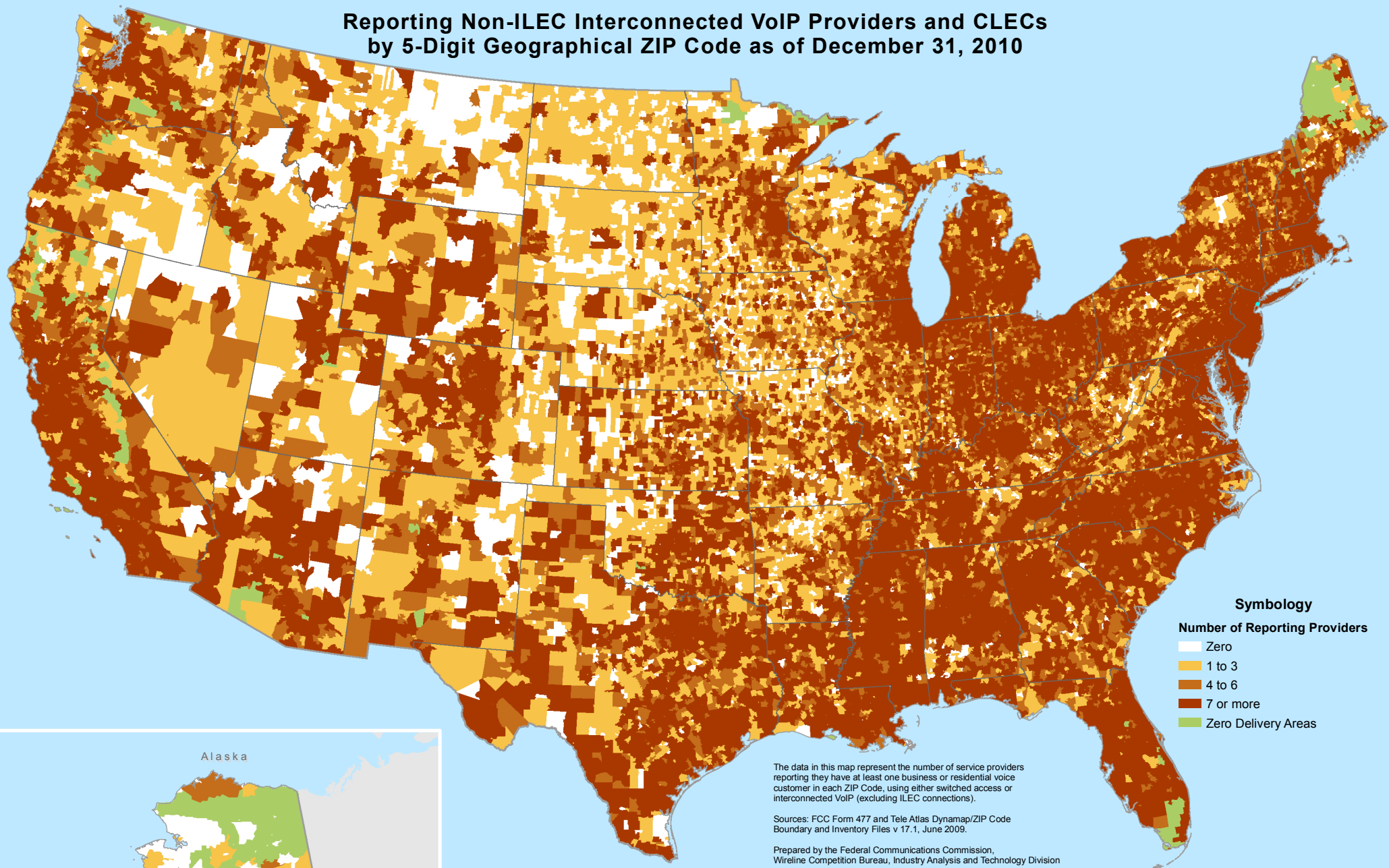
¹ See footnote 1, Table 1.

² A holding company or common-control entity that reports both CLEC end-user switched access lines and interconnected VoIP subscribers in a state reports a single list of ZIP Codes in which it has any such customers and is counted once in each listed ZIP Code.

Table 20
Percentage of ZIP Codes with CLECs or Non-ILEC VoIP Providers by State
as of December 31, 2010

State	Number of Providers								
	Zero	One - Three	Four	Five	Six	Seven	Eight	Nine	Ten or More
Alabama	4 %	14 %	4 %	4 %	3 %	4 %	3 %	3 %	59 %
Alaska	57	28	3	4	2	3	1	0	0
Arizona	6	12	5	2	4	4	3	2	61
Arkansas	15	43	8	5	4	3	3	1	17
California	2	11	3	4	3	2	3	3	69
Colorado	10	25	4	4	3	2	3	2	48
Connecticut	0	7	3	7	7	4	9	6	56
Delaware	0	2	2	2	3	3	7	2	80
District of Columbia	0	12	0	0	0	0	0	0	88
Florida	0	3	3	2	2	2	2	3	85
Georgia	2	18	6	4	4	4	3	3	56
Hawaii	2	22	8	6	7	6	10	3	37
Idaho	10	39	9	6	6	4	2	3	22
Illinois	6	26	10	7	5	4	3	1	39
Indiana	3	15	8	8	6	6	6	4	44
Iowa	25	43	7	5	5	2	1	1	11
Kansas	14	40	6	5	4	4	3	3	21
Kentucky	6	26	6	6	5	6	6	4	34
Louisiana	4	16	4	5	3	5	4	3	56
Maine	6	24	8	9	7	7	8	5	26
Maryland	0	3	3	4	4	5	4	3	74
Massachusetts	0	3	2	1	2	3	2	3	83
Michigan	1	12	5	5	5	6	4	6	55
Minnesota	12	39	6	5	3	2	3	2	28
Mississippi	1	7	5	3	4	4	4	4	66
Missouri	17	36	6	5	4	3	3	2	26
Montana	38	38	5	1	1	3	2	2	10
Nebraska	15	52	6	6	2	2	2	2	12
Nevada	9	17	5	5	5	2	1	4	53
New Hampshire	1	2	6	10	6	7	8	5	55
New Jersey	0	0	0	1	1	2	1	1	93
New Mexico	17	39	9	5	4	2	2	1	21
New York	1	13	5	4	5	3	5	5	60
North Carolina	1	13	5	5	6	4	4	3	58
North Dakota	28	62	2	1	1	0	1	1	5
Ohio	0	8	5	8	7	7	6	4	55
Oklahoma	12	31	6	3	3	3	3	2	38
Oregon	9	26	8	7	5	3	4	3	36
Pennsylvania	2	20	6	4	5	4	3	4	52
Puerto Rico	0	17	5	13	11	13	19	11	10
Rhode Island	0	7	4	8	8	3	8	3	60
South Carolina	2	12	4	3	5	4	1	6	64
South Dakota	28	56	3	1	3	2	1	1	6
Tennessee	3	16	5	4	5	3	4	3	55
Texas	5	20	4	4	3	3	2	2	56
Utah	10	29	4	4	3	2	3	3	42
Vermont	1	28	15	10	9	8	6	6	19
Virginia	2	24	7	8	4	6	4	4	40
Washington	4	25	4	5	4	3	3	4	49
West Virginia	8	30	11	13	8	5	6	3	16
Wisconsin	8	38	8	6	4	4	3	2	27
Wyoming	14	51	10	3	2	1	0	2	16
Nationwide	7 %	22 %	6 %	5 %	4 %	4 %	4 %	3 %	46 %

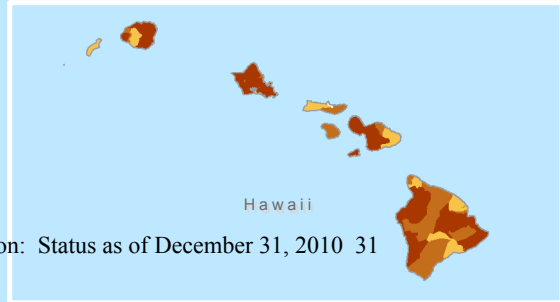
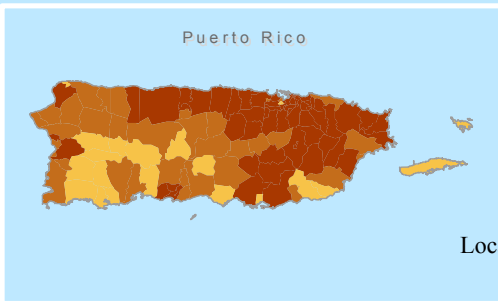
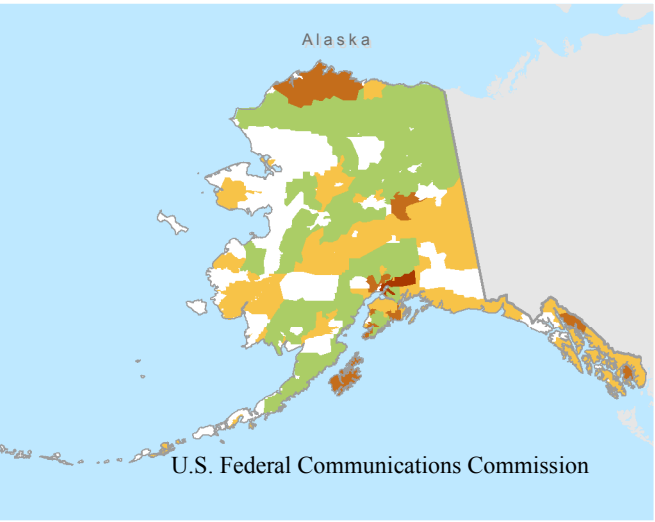
Reporting Non-ILEC Interconnected VoIP Providers and CLECs by 5-Digit Geographical ZIP Code as of December 31, 2010



The data in this map represent the number of service providers reporting they have at least one business or residential voice customer in each ZIP Code, using either switched access or interconnected VoIP (excluding ILEC connections).

Sources: FCC Form 477 and Tele Atlas Dynamap/ZIP Code Boundary and Inventory Files v 17.1, June 2009.

Prepared by the Federal Communications Commission, Wireline Competition Bureau, Industry Analysis and Technology Division



Technical Notes

General

Detailed information about FCC Form 477 reporting requirements is available at <http://www.fcc.gov/form477/>.

See Glossary for definitions of terms used in this report.

Counting lines and subscribers

- Form 477 counts both switched access lines and interconnected VoIP subscriptions as the maximum number of calls that may be active, simultaneously, from the end user's location under the purchased service plan. All VoIP subscriptions discussed in this report are interconnected VoIP subscriptions.
- Form 477 data may not count all VoIP phone connections to Internet Protocol Private Branch Exchange (IP PBX) equipment that is owned by business end users because of the variety of ways the IP PBX may connect to the public switched telephone network.

Holding company-subsidiary relationships

- When counting service providers who have any retail customers in a particular geography (for example, a state or a ZIP Code), we count a holding company or common-control entity no more than once in any specified sub-category of total providers.
- Nationwide counts of providers are unique counts for any specified sub-category of total providers (for example, all non-ILECs or all interconnected VoIP providers); an entity operating in multiple states is counted only once.

ILEC-CLEC affiliations

- Lines from CLECs who have ILEC affiliates are handled at the state level in one of several ways. We place the lines into the non-ILEC category if the affiliate is an ILEC other than AT&T or Verizon. Lines from CLEC affiliates of AT&T and Verizon are allocated between the ILEC and non-ILEC categories based on staff estimates if the CLEC operates in the AT&T or Verizon ILEC service area in the state, respectively.

ZIP Code-based information

- Wireline service providers report whether they have at least one residential or business customer in each ZIP Code, using either switched access or interconnected VoIP. This contrasts with the census tract-based broadband reporting requirements the Commission adopted in 2008.

- The report includes summary statistics of the presence of competitors to the ILEC, or ILECs, in individual ZIP Codes. These entities are CLECs or interconnected VoIP providers who are not affiliated with the ILEC, or ILECs, who serve end users in that ZIP Code. However, because providers may not offer service across an entire ZIP Code and because different providers may target different customer segments in areas where they provide service, we cannot conclude that the number of providers identified as delivering wireline service within a ZIP Code represents the number of options available to any specific customer within that ZIP Code. We further note that these data on the number of providers in a ZIP Code do not indicate whether a particular provider is offering service solely over its own last-mile facilities or is using the facilities of another carrier or entity.

Glossary

Term	Definition
Broadband bundle	The purchase, from the same or affiliated retailers, of interconnected VoIP service and broadband Internet access service, either for a single price or for separate prices.
Cable modem service	A service which offers customers access to the Internet over a cable system at broadband speeds.
Circuit switching	A method of completing electronic communications in which a transmission path is established for dedicated use by a communication; the basis of the public switched telephone network (PSTN).
CLEC	Competitive Local Exchange Carrier: A new LEC that operates within the service area of an ILEC.
DSL	Digital Subscriber Line: A digital local loop, typically using copper facilities, that frequently is used to offer customers access to the Internet at broadband speeds.
End users	Residential, business, institutional, or government entities that use services for their own purposes and who do not resell such services to other entities.
Fixed wireless service	A radio communication service between specified fixed points.
FTTP or FTTH	Fiber to the Premises (Home): A network access architecture in which optical fiber is deployed all the way to the customer's premises (home).
Internet access service	Service that provides end users access to the Internet.
ILEC	Incumbent Local Exchange Carrier: A company or cooperative that was providing telephone service in a localized area, typically on a monopoly basis, prior to enactment of the Telecommunications Act of 1996.
Internet protocol or IP	A language and set of formal rules that govern how packets transit the Internet.
Interconnected VoIP or iVoIP	A service that enables real-time, two-way voice communications; requires a broadband connection from the user's location; requires Internet-protocol compatible customer premises equipment; and permits users generally to receive calls that originate on the public switched telephone network and to terminate calls to the public switched telephone network.
LEC	Local Exchange Carrier: A company that provides telephone service within a localized area and access services that connect its customers to long-distance (Interexchange Carrier) networks.
Local loop	The physical connection between the customer's premises and the telephone company's local switching office, typically provided using copper, fiber, or a combination of copper and fiber facilities.
Mobile wireless service	A radio communication service between mobile and fixed stations, or between mobile stations.
Nomadic interconnected VoIP	A service whose terms allow use over any broadband connection available to the subscriber (such as at a hotel or vacation residence); by contrast, a non-nomadic service subscription must be used over a single predetermined broadband connection.

Non-ILEC	Any provider of communications services who does not have ILEC regulatory status.
Other ILEC	An ILEC who is not an RBOC.
Other wireline	All copper-wire based transmission technologies other than DSL technologies; Ethernet over copper and T-1 are examples.
OTT	Over-the-top: Interconnected VoIP service provided by entities that neither own nor operate telecommunications facilities.
Packet switching	A method of completing electronic communications in which the information is disassembled into discrete packets that are transmitted independently and later reassembled; IP is an example.
PBX	Private Branch Exchange: A telephone switch that is owned or leased by the telephone company's customer and generally located on the customer's premises.
RBOC	Regional Bell Operating Company: The ILEC operations of AT&T, Qwest, and Verizon.
Retail local telephone service	Retail switched access lines and interconnected VoIP subscriptions.
Retail switched access lines	Switched access lines for which an end user is the customer.
Standalone interconnected VoIP	The purchase of interconnected VoIP service without the purchase of broadband Internet access service from the same retailer, or from an affiliated retailer.
Special access circuit	A dedicated, non-switched circuit (connection or line) provided by an ILEC, commonly used to connect an end user to another communications service provider; also frequently used by wireless service providers to connect cell towers to mobile switching centers (MSCs).
Switched access line	A service connection between an end user and the local telephone company's switch; the basis of plain old telephone service (POTS).
Total ILEC lines	The sum of ILEC-reported retail switched access lines, interconnected VoIP subscriptions, wholesale switched access lines, and UNEs provided to CLECs.
UNE	Unbundled Network Element: A physical or functional element of an ILEC network that must be provided to a CLEC at a cost-based price, as provide for in the Telecommunications Act of 1996.
UNE-L	UNE-Loop: An ILEC unbundled local loop provided to a CLEC at a cost-base price.
UNE-P	UNE-Platform: The combination of ILEC unbundled local loop, switching, and transport, provided to a CLEC at cost-based prices.
Wholesale switched access lines	Local telephone service provided to an unaffiliated telephone company, which resells the service to end users; typically provided by an ILEC to a CLEC.
ZIP Code	A five-digit geographical ZIP Code.

Customer Response

Publication: *Local Telephone Competition: Status as of December 31, 2010*

You can help us provide the best possible information to the public by completing this form and returning it to the Industry Analysis and Technology Division of the FCC's Wireline Competition Bureau.

1. Please check the category that best describes you:

- press
- current telecommunications carrier
- potential telecommunications carrier
- business customer evaluating vendors/service options
- consultant, law firm, lobbyist
- other business customer
- academic/student
- residential customer
- FCC employee
- other federal government employee
- state or local government employee
- Other (please specify)

2. Please rate the report: Excellent Good Satisfactory Poor No opinion

Data accuracy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data presentation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Timeliness of data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Completeness of data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Text clarity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Completeness of text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Overall, how do you rate this report? Excellent Good Satisfactory Poor No opinion

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------	--------------------------	--------------------------

4. How can this report be improved?

5. May we contact you to discuss possible improvements?

Name:

Telephone #:

To discuss the information in this report, contact: 202-418-0940 or for users of TTY equipment, call 202-418-0484		
Fax this response to	or	Mail this response to
202-418-0520		FCC/WCB/IATD, Mail Stop 1600 F Washington, DC 20554