

TELEPHONE & DATA SYSTEMS INC /DE/  
 Form 10-K  
 February 28, 2014

<b>UNITED STATES</b>															
<b>SECURITIES AND EXCHANGE COMMISSION</b>															
<b>Washington, D.C. 20549</b>															
<b>FORM 10-K</b>															
<b>(Mark One)</b>															
<input checked="" type="checkbox"/>	<b>ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934</b>														
<b>For the fiscal year ended December 31, 2013</b>															
<b>OR</b>															
<b>TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934</b>															
<b>Commission file number 001-14157</b>															
<b>TELEPHONE AND DATA SYSTEMS, INC.</b>															
(Exact name of Registrant as specified in its charter)															
<b>Delaware</b>								<b>36-2669023</b>							
(State or other jurisdiction of incorporation or organization)								(IRS Employer Identification No.)							
<b><u>30 North LaSalle Street, Suite 4000, Chicago, Illinois 60602</u></b>															
(Address of principal executive offices) (Zip code)															
Registrant's telephone number, including area code: (312) 630-1900															
Securities registered pursuant to Section 12(b) of the Act:															
<b>Title of each class</b>								<b>Name of each exchange on which registered</b>							
Common Shares, \$.01 par value								New York Stock Exchange							
6.625% Senior Notes due 2045								New York Stock Exchange							
6.875% Senior Notes due 2059								New York Stock Exchange							
7.0% Senior Notes due 2060								New York Stock Exchange							
5.875% Senior Notes due 2061								New York Stock Exchange							

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Securities registered pursuant to Section 12(g) of the Act: None																	
Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.																Yes x	No
Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Exchange Act.																Yes	No x
Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.																Yes x	No
Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).																Yes x	No
Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.																x	
Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.																	
Large accelerated filer			x	Accelerated filer			Non-accelerated filer			Smaller reporting company							
Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).																Yes	No x
As of June 30, 2013, the aggregate market values of the registrant's Common Shares, Series A Common Shares and Preferred Shares held by non-affiliates were approximately \$2.3 billion, \$2.3 million and \$0.8 million, respectively. For purposes hereof, it was assumed that each director, executive officer and holder of 10% or more of any class of voting equity security of Telephone and Data Systems, Inc. ("TDS") is an affiliate. The June 30, 2013 closing price of the Common Shares was \$24.65 as reported by the New York Stock Exchange. Because trading in the Series A Common Shares and Preferred Shares is infrequent, the registrant has assumed for purposes hereof that (i) each Series A Common Share has a market value equal to one Common Share because the Series A Common Shares are convertible on a share-for-share basis into Common Shares, (ii) each nonredeemable Preferred Share has a market value of \$100 because each of such shares had a stated value of \$100 when issued, and (iii) each Preferred Share that is redeemable by the delivery of TDS Common Shares has a value equal to the value of the number of Common Shares (at \$24.65 per share) on June 30, 2013 that would be required to be delivered upon redemption.																	
The number of shares outstanding of each of the registrant's classes of common stock, as of January 31, 2014, is 101,596,000 Common Shares, \$.01 par value, and 7,166,000 Series A Common Shares, \$.01 par value.																	

<b>DOCUMENTS INCORPORATED BY REFERENCE</b>															
Those sections or portions of the registrant's 2013 Annual Report to Shareholders ("Annual Report"), filed as Exhibit 13 hereto, and of the registrant's Notice of Annual Meeting of Shareholders and Proxy Statement for its 2014 Annual Meeting of Shareholders ("Proxy Statement") to be filed on or prior to April 30, 2014, described in the table of contents included herein are incorporated by reference into Parts II and III of this report.															

<b>Telephone and Data Systems, Inc.</b>
<b>Annual Report on Form 10-K</b>
<b><u>For the Period Ended December 31, 2013</u></b>
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<p><b>Telephone and Data Systems, Inc.</b></p> <p>30 NORTH LASALLE STREET, SUITE 4000, CHICAGO, ILLINOIS 60602</p> <p>TELEPHONE (312) 630-1900</p>	
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**PART I**

**Item 1. Business**

Telephone and Data Systems, Inc. (“TDS”) is a diversified telecommunications company providing high-quality telecommunications services to approximately 4.8 million wireless customers and 1.1 million wireline and cable connections at December 31, 2013. TDS conducts substantially all of its wireless operations through its 84%-owned subsidiary, United States Cellular Corporation (“U.S. Cellular”). TDS provides wireline services, cable services and hosted and managed services (“HMS”), through its wholly-owned subsidiary, TDS Telecommunications Corporation (“TDS Telecom”).

TDS conducts printing and distribution services through its majority-owned subsidiary, Suttle-Straus, Inc. (“Suttle-Straus”) and provides wireless services through its wholly-owned subsidiary, Airadigm Communications, Inc. (“Airadigm”), a Wisconsin-based service provider (collectively, the “Non-Reportable Segment”). At this time, Airadigm operates independently from U.S. Cellular. Suttle-Straus and Airadigm’s financial results were not significant to TDS’ operations in 2013.

Previously, TDS had reported the following reportable segments: U.S. Cellular, TDS Telecom’s incumbent local exchange carrier (“ILEC”), its competitive local exchange carrier (“CLEC”), its HMS operations and the Non-Reportable Segment. As a result of recent acquisitions and changes in TDS’ strategy, operations and internal reporting, TDS has reevaluated and changed its operating segments during the year ended December 31, 2013, which resulted in the following reportable segments: U.S. Cellular, TDS Telecom’s Wireline, Cable and HMS operations, and the Non-Reportable Segment. The Wireline segment consists of the former ILEC and CLEC segments. The Cable segment consists of Baja Broadband, LLC (“Baja”), which was acquired in August 2013. The HMS segment remains unchanged except that it now uses a unified brand name, OneNeck IT Solutions (“OneNeck”), as a result of the consolidation of the HMS operations. Periods presented for comparative purposes have been re-presented to conform to the revised presentation described above. All of TDS’ segments operate only in the United States, except for HMS, which includes an insignificant foreign operation. Additional information about TDS’ segments is incorporated herein by reference from Note 18 — Business Segment Information, in TDS’ Annual Report to Shareholders, filed as Exhibit 13

hereto.

TDS was incorporated in 1968 and changed its state of incorporation from Iowa to Delaware in 1998. TDS executive offices are located at 30 North LaSalle Street, Suite 4000, Chicago, Illinois 60602. TDS' telephone number is 312-630-1900.

TDS Common Shares trade under the ticker symbol "TDS" on the New York Stock Exchange ("NYSE"). U.S. Cellular Common Shares trade on the NYSE under the ticker symbol "USM."

The following securities also trade on the NYSE: TDS' 6.625% Senior Notes due 2045 trade under the symbol "TDI," TDS' 6.875% Senior Notes due 2059 trade under the symbol "TDE," TDS' 7.0% Senior Notes due 2060 trade under the symbol "TDJ" and TDS' 5.875% Senior Notes due 2061 trade under the symbol "TDA." U.S. Cellular's 6.95% Senior Notes due 2060 trade under the symbol "UZA." U.S. Cellular's 6.7% Senior Notes due 2033 are traded over the counter and are not listed on any stock exchange.

Under listing standards of the NYSE, TDS is a "controlled company" as such term is defined by the NYSE. TDS is a controlled company because over 50% of the voting power for the election of directors of TDS is held by the trustees of the TDS Voting Trust.

U.S. Cellular is a majority-owned subsidiary of TDS. As of December 31, 2013, TDS owned 84% of the combined total of the outstanding Common Shares and Series A Common Shares of U.S. Cellular and controlled 96% of the combined voting power of both classes of common stock.

### **Available Information**

TDS' website is <http://www.teldta.com>. TDS files with, or furnishes to, the Securities and Exchange Commission ("SEC") annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, as well as various other information. Anyone may access, free of charge, through the Investor Relations portion of the website, the TDS annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K and amendments to such reports filed or furnished pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended, as soon as reasonably practical after such material is electronically filed with the SEC. The public may read and copy any materials TDS files with the SEC at the SEC's Public Reference Room at 100 F Street, NE, Washington D.C. 20549. The public may obtain information on the operation of the Reference Room by calling the SEC at 1-800-732-0330. The public may also view electronic filings of TDS by accessing SEC filings at <http://www.sec.gov>.

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U.S. Cellular's website address is <http://www.uscellular.com>. U.S. Cellular files with, or furnishes to, the SEC annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, as well as various other information. Investors may access, free of charge, through the Investor Relations portion of the website, U.S. Cellular's annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, and amendments to such reports filed or furnished pursuant to Section 13(a) or 15(d) of the Exchange Act as soon as reasonably practical after such material is filed electronically with the SEC. The public may read and copy any materials U.S. Cellular files with the SEC at the SEC's Public Reference Room at 100 F Street, NE, Washington D.C. 20549. The public may obtain information on the operation of the Reference Room by calling the SEC at 1-800-732-0330. The public may also view electronic filings of U.S. Cellular by accessing SEC filings at <http://www.sec.gov>.

## **U.S. Cellular Operations**

### **General**

United States Cellular Corporation ("U.S. Cellular") was incorporated under the laws of the state of Delaware in 1983. At December 31, 2013, U.S. Cellular's consolidated operating markets serve approximately 4.8 million customers in 23 states. U.S. Cellular operates in one reportable segment, wireless operations, and all of its wireless operating markets are in the United States.

U.S. Cellular is a wireless telecommunications service provider. U.S. Cellular groups its individual markets (geographic service areas as defined by the Federal Communications Commission ("FCC") in which wireless carriers are licensed, for fixed terms, to provide service) into broader geographic market areas (as discussed below in "Total Consolidated Markets" and "Consolidated Operating Markets") to offer customers large service areas that primarily utilize U.S. Cellular's network. Since 1985, when it began providing wireless telecommunications service in Knoxville, Tennessee and Tulsa, Oklahoma, U.S. Cellular has expanded its consolidated wireless networks and customer service operations to cover portions of 23 states, which collectively represent a total population of 31.8 million as of December 31, 2013. U.S. Cellular uses roaming agreements with other wireless carriers to provide service to its customers in areas not covered by U.S. Cellular's network. See "Divestiture Transaction" below.

U.S. Cellular is subject to regulation by the FCC as a provider of wireless telecommunication services. The FCC regulates the licensing, construction, and operation of providers of wireless telecommunications systems, as well as the provision of services over those systems. See "Regulation" below for further discussion regarding licenses as well as the regulations promulgated by the FCC.

U.S. Cellular's ownership interests in wireless licenses include both consolidated and investment interests in licenses covering portions of 30 states and a total population of 58.0 million at December 31, 2013.

For purposes of tracking population counts in order to calculate market penetration, when U.S. Cellular acquires a licensed area that overlaps a licensed area it already owns, it does not duplicate the population counts for any overlapping licensed area. In such cases, only incremental population counts are added to the reported amount of "total market population".

Total market population measures in U.S. Cellular's consolidated markets and consolidated operating markets, as defined below, are provided to allow comparison of the total population to the relative size of U.S. Cellular's customer base in those markets. The total population of U.S. Cellular's consolidated markets may have no direct relationship to the number of wireless customers or the revenues that may be realized from the operation of the related wireless systems. In addition, population equivalents for investment interests have been provided to allow comparison to the relative size of U.S. Cellular's consolidated markets.

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<b>Consolidated Markets</b>						
The following table summarizes information regarding licensed areas which U.S. Cellular consolidates as of December 31, 2013. The population shown is the total population, regardless of U.S. Cellular's percentage ownership in the licenses included:						
		<b>Population (1)</b>		<b>Customers</b>		<b>Penetration</b>
Consolidated Operating Markets (2) (4)		31,759,000		4,774,000		15.0%
Total Consolidated Markets (3) (4)		58,013,000		4,774,000		8.2%
(1)	Represents 100% of the population of the licensed areas, based on 2012 Claritas population estimates. "Population" in this context includes only the areas covering such markets and is used only for the purposes of calculating market penetration and is not related to "population equivalents," as defined below.					
(2)	Represents licensed areas which U.S. Cellular consolidates and are in operation in the following states CA, IA, IL, IN, KS, MD, ME, MN, MO, NC, NE, NH, OK, OR, PA, SC, TN, TX, VA, VT, WA, WI and WV.					
(3)	Represents licensed areas which U.S. Cellular consolidates, including non-operating markets in the following states: AR, CA, CO, IA, ID, IL, IN, KS, KY, MD, ME, MI, MN, MO, NC, NE, NH, OH, OK, OR, PA, SC, SD, TN, TX, VA, VT, WA, WI and WV.					
(4)	See "NY1 & NY2 Deconsolidation" and "Divestiture Transaction" below.					

<b>Investment Markets</b>						
The following table summarizes the markets in which U.S. Cellular owns an investment interest at December 31, 2013. For licenses in which U.S. Cellular owns an investment interest, the related population equivalents are shown.						
		<b>Population (1)</b>		<b>Current Percentage Interest (2)</b>		<b>Current Population Equivalents (3)</b>
<b>Market Area/Market</b>						
Los Angeles/Oxnard, CA		18,085,000		5.5%		995,000
New York Region		491,000		Varies (4)		288,000
Oklahoma City, OK		1,220,000		14.6%		178,000
Others (fewer than 100,000 population equivalents each)		4,751,000		Varies		294,000

Total population equivalents in investment markets							1,755,000
(1)	Represents 100% of the total population of the licensed area in which U.S. Cellular owns an interest based on 2012 Claritas population estimates.						
(2)	Represents U.S. Cellular's percentage ownership interest in the licensed area as of December 31, 2013.						
(3)	"Current Population Equivalents" are derived by multiplying the amount in the "Population" column by the percentage interest indicated in the "Current Percentage Interest" column.						
(4)	See "NY1 & NY2 Deconsolidation" below.						

### NY1 & NY2 Deconsolidation

As more fully described in Note 7 – Investments in Unconsolidated Entities in the Notes to Consolidated Financial Statements, on April 3, 2013, U.S. Cellular entered into an agreement relating to St. Lawrence Seaway RSA Cellular Partnership ("NY1") and New York RSA 2 Cellular Partnership ("NY2" and, together with NY1, the "Partnerships") with Cellco Partnership d/b/a Verizon Wireless, which required U.S. Cellular to deconsolidate the Partnerships and thereafter account for them as equity method investments (the "NY1 & NY2 Deconsolidation").

Refer to TDS' Form 8-K filed on February 26, 2014 for pro forma financial information related to the Divestiture Transaction and the NY1 & NY2 Deconsolidation for the three and twelve months ended December 31, 2013, as if these transactions had occurred at the beginning of the respective periods. Also refer to TDS' Form 8-K filed on May 3, 2013 for pro forma financial information related to the Divestiture Transaction and the NY1 & NY2 Deconsolidation for the twelve months ended December 31, 2012.

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Refer to the Summary Operating Data for U.S. Cellular Core Markets in Management's Discussion and Analysis of Financial Condition and Operations – Results of Operations – U.S. Cellular, for summarized operating data for U.S. Cellular for 2013 and 2012 excluding the NY1 & NY2 markets (and the Divestiture Markets as described below).

**Divestiture Transaction**

As more fully described in Note 5 – Acquisitions, Divestitures and Exchanges in the Notes to Consolidated Financial Statements, on November 6, 2012, U.S. Cellular entered into a Purchase and Sale Agreement with subsidiaries of Sprint Corp, fka Sprint Nextel Corporation (“Sprint”). Pursuant to the Purchase and Sale Agreement, on May 16, 2013, U.S. Cellular transferred customers and certain PCS license spectrum to Sprint in U.S. Cellular's Chicago, central Illinois, St. Louis and certain Indiana/Michigan/Ohio markets (“Divestiture Markets”) in consideration for \$480 million in cash. The Purchase and Sale Agreement also contemplated certain other agreements, together with the Purchase and Sale Agreement collectively referred to as the “Divestiture Transaction.”

The table below provides selected information related to the Divestiture Markets as of December 31, 2012 that are no longer included in operating data as of December 31, 2013:

Market population	15,037,000
Total customers	560,000
Postpaid customers	463,000
Prepaid customers	81,000
Reseller customers	16,000

Refer to TDS' Form 8-K filed on February 26, 2014 for pro forma financial information related to the Divestiture Transaction and the NY1 & NY2 Deconsolidation for the three and twelve months ended December 31, 2013, as if these transactions had occurred at the beginning of the respective periods. Also refer to TDS' Form 8-K filed on May 3, 2013 for pro forma financial information related to the Divestiture Transaction and the NY1 & NY2 Deconsolidation for the twelve months ended December 31, 2012.

Refer to the Summary Operating Data for U.S. Cellular Core Markets in Management's Discussion and Analysis of Financial Condition and Operations – Results of Operations – U.S. Cellular, for summarized operating data for 2013 and 2012 excluding the Divestiture Markets (and NY1 & NY2 markets).

**Products and Services**

*Wireless Services.* U.S. Cellular's postpaid customers are able to choose from a variety of national plans with voice, messaging and data usage options and pricing that are designed to fit different customer needs, usage patterns and budgets. Helping a customer find the right pricing plan is an important element of U.S. Cellular's brand positioning. Beginning in 2013, U.S. Cellular began offering Shared Data plans that include unlimited voice minutes and text messaging combined with a variety of data usage options. Under these plans, customers can share data usage among all users and devices connected to the plan. Business rate plans are offered to companies to meet their unique needs. U.S. Cellular's popular national plans price all calls as local calls, regardless of where they are made or received in the United States, with no long distance or roaming charges. U.S. Cellular also offers prepaid service plans, which include voice, messaging and data options in a variety of ways, for a monthly fee.

U.S. Cellular incents customer loyalty by offering industry-leading benefits. Customers who subscribe to postpaid national plans can earn loyalty reward points just for being a customer. Points can be used to obtain a free phone or to accelerate the timing of a phone upgrade, as well as for other rewards such as additional lines and accessories. Certain available postpaid plans include Overage Cap, a free service that prevents voice overage charges from exceeding \$50 for a National Single Line Plan or \$150 for a Family Plan.

U.S. Cellular's portfolio of smartphones, tablets and other connected devices (see "Wireless Devices" below) is a key part of its strategy to deliver wireless devices which allow customers to stay productive, entertained and connected on the go. Backed by U.S. Cellular's high-speed networks, including a fourth generation Long Term Evolution ("4G LTE") network, which, as of December 31, 2013, covers 87% of its postpaid customers and a third generation ("3G") network that supports nationwide roaming, U.S. Cellular's smartphone messaging, data and internet services allow customers to access the web and social network sites, e-mail, text, picture and video message, utilize turn-by-turn GPS navigation, and browse and download thousands of applications to customize their wireless devices to fit their lifestyles.

U.S. Cellular offers smartphone and non-smartphone users a variety of services which run over its 4G LTE and 3G networks. In 2013, U.S. Cellular launched several new services such as Family Protector and an international dialing plan while continuing to offer enhanced multimedia services, including digital radio, Mobile TV and gaming. U.S. Cellular continues to offer data services and app-like experiences to non-smartphone devices via a technology known as Binary Runtime Environment for Wireless ("BREW"), which enables customers to access news, weather, sports, information, games, ring tones and other services.

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U.S. Cellular plans to further enhance its advanced wireless services and connected solutions for consumer and business customers in 2014 and beyond.

*Wireless Devices.* U.S. Cellular offers a comprehensive range of wireless devices such as handsets, modems, mobile hotspots, home phone and tablets for use by its customers. U.S. Cellular offers wireless devices that are compatible with some or all of its 4G LTE, 3G and 2G networks and all are compliant with the FCC's enhanced wireless 911 ("E-911") requirements. In addition, U.S. Cellular offers a wide range of accessories, such as carrying cases, hands-free devices, batteries, battery chargers, memory cards and other items to customers. U.S. Cellular also sells wireless devices to agents and other third-party distributors for resale. U.S. Cellular frequently discounts wireless devices sold to new and current customers and provides discounts on upgraded wireless devices to current customers, in order to attract new customers or to retain existing customers by reducing the cost of becoming or remaining a wireless customer. Beginning in 2013, U.S. Cellular began offering financing options on certain wireless devices.

U.S. Cellular has established service facilities in many of its local markets to ensure quality service and repair of the wireless devices it sells. These facilities allow U.S. Cellular to provide convenient and timely repair service to customers who experience device problems. Additionally, U.S. Cellular offers several programs which allow the customer to receive a replacement device through a retail store or through direct mail.

During 2013, U.S. Cellular continued to bolster its expanding smartphone and tablet portfolio with the launch of Apple products such as the iPhone and iPad. Throughout 2013, U.S. Cellular also launched a number of high-performance Android wireless devices, such as the Samsung Galaxy S4, the Samsung Galaxy Note 3, and the Motorola Moto X. U.S. Cellular's smartphone offerings play a significant role in driving data service usage and revenues. The devices offered include a full array of smartphones and feature phones.

U.S. Cellular purchases wireless devices and accessory products from a number of manufacturers, including Apple, Samsung, Motorola, Personal Communications Devices, LG, BlackBerry, Superior Communications, Kyocera, ZTE, Tescos, ABM Wireless (Mobilistics), and Xentris Wireless. U.S. Cellular negotiates volume discounts with its suppliers and works with them in promoting specific equipment in its local advertising. U.S. Cellular does not own significant product warehousing and distribution infrastructure. Instead, it contracts with third party providers for substantially all of its product warehousing, distribution and direct customer fulfillment activities. U.S. Cellular also contracts with third party providers for services related to its reward points and phone replacement programs.

U.S. Cellular monitors the financial condition of its wireless device and accessory suppliers. Because U.S. Cellular purchases wireless devices and accessories from numerous suppliers, U.S. Cellular does not expect the financial condition of any single supplier to affect U.S. Cellular's ability to offer a competitive variety of wireless devices and accessories for sale to customers.

## Marketing

*Customer Acquisition and Retention.* U.S. Cellular's marketing plan is focused on acquiring, retaining and growing customer relationships by offering high-quality products and services built around customer needs at fair prices, maintaining an exceptional wireless network, and providing outstanding customer service.

U.S. Cellular believes that creating positive relationships with its customers enhances their wireless experience and builds customer loyalty. U.S. Cellular currently offers several innovative, customer-centric programs and services at no cost to the customer. The Overage Protection service provides customers peace-of-mind by sending them text message alerts when they come close to reaching their allowable monthly plan minutes, text messages or data usage in order to avoid overage charges. Although the FCC approved a proposal in 2011 that would require carriers to notify customers before they incur excessive charges, U.S. Cellular believes that it was the first to offer this service. My Contacts Backup offers extra security for customers by allowing them to retrieve their contact numbers if they lose or damage their wireless devices.

U.S. Cellular increases customer awareness using media such as television, radio, newspaper, direct mail advertising, the Internet, social media and sponsorships. U.S. Cellular has achieved its current level of penetration of its markets through a combination of a strong brand position, promotional advertising, broad distribution, maintaining a high-quality wireless network and providing outstanding customer service. U.S. Cellular's advertising is directed at increasing the public awareness and understanding of the wireless services it offers, improving potential customers' awareness of the U.S. Cellular brand, attracting and retaining customers, and increasing existing customers' usage of U.S. Cellular's services. U.S. Cellular attempts to select the advertising and promotional media that are most appealing to the targeted groups of potential customers in each local market. U.S. Cellular supplements its advertising with a focused public relations program that drives store traffic, supports sales of products and services, and builds brand awareness and preference. The approach combines national and local media relations in mainstream and social media channels with market-wide activities, events, and sponsorships. Since 2008, U.S. Cellular has focused its charitable giving strategy on the pressing needs of schools and has invested millions of dollars in its education initiatives, such as Calling All Communities and Calling All Teachers, which support schools and teachers in the communities U.S. Cellular serves.

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U.S. Cellular manages customer retention by focusing on outstanding customer service through the development of processes that are customer-friendly, extensive training of frontline sales and support associates and the implementation of retention programs. The marketing plan highlights the value of U.S. Cellular's high quality network, service offerings and incorporates combinations of rate plans, additional value-added features and services and wireless devices which are designed to meet the needs of customers.

U.S. Cellular currently operates four regional customer care centers with personnel who are responsible for customer service activities, and a national financial services center with personnel who perform credit and other customer payment activities. U.S. Cellular also contracts with third parties that provide additional customer care and financial services support.

*Distribution Channels.* U.S. Cellular supports a multi-faceted distribution program, including retail sales and service centers, direct sales, third-party national retailers, and independent agents, plus the website and telesales for customers who wish to contact U.S. Cellular through the Internet or by phone.

Company retail store locations are designed to market wireless products and services to the consumer and small business segments in a setting familiar to these types of customers. As of December 31, 2013, retail sales associates work in approximately 300 U.S. Cellular-operated retail stores and kiosks. Direct sales consultants market wireless services to mid-size business customers. Additionally, the U.S. Cellular website enables customers to activate service and purchase wireless devices online.

U.S. Cellular maintains an ongoing training program to improve the effectiveness of retail sales associates and direct sales consultants by focusing their efforts on obtaining customers by facilitating the sale of appropriate packages for the customer's expected usage and value-added services that meet customer needs.

U.S. Cellular has relationships with exclusive and non-exclusive agents, which are independent businesses that obtain customers for U.S. Cellular on a commission basis. At December 31, 2013, U.S. Cellular had contracts with these businesses aggregating over 750 locations. U.S. Cellular provides additional support and training to its exclusive agents to increase customer satisfaction for customers they serve. U.S. Cellular's agents are generally in the business of selling wireless devices, wireless service packages and other related products. No single agent accounted for 10% or more of U.S. Cellular's operating revenues during the past three years.

In 2012 and 2013, U.S. Cellular expanded its distribution through third-party national and on-line retailers. As of December 2013, Wal-Mart and Sam's Club offer U.S. Cellular products and services at select retail locations in U.S.

Cellular's service areas. Further, Amazon offers U.S. Cellular's prepaid service on-line. U.S. Cellular continues to explore new relationships with additional third-party retailers as part of its strategy to expand distribution.

U.S. Cellular also markets wireless service through resellers. The resale business involves the sale of wholesale access and minutes to independent companies that package and resell wireless services to end-users. These resellers generally provide prepaid and postpaid services to subscribers under their own brand names and also provide their own billing and customer service. U.S. Cellular incurs no direct subscriber acquisition costs related to reseller customers. At December 31, 2013, U.S. Cellular had approximately 164,000 customers of resellers. For the year ended December 31, 2013, revenues from resale business were less than 1% of total service revenues.

*Seasonality.* There is seasonality in operating expenses, which tend to be higher in the fourth quarter than in the other quarters due to increased marketing and promotional activities, which may cause operating income to vary from quarter to quarter.

### **Customers and System Usage**

U.S. Cellular provides service to customers from a variety of demographic segments. U.S. Cellular uses a segmentation model to classify businesses and consumers into logical groupings for developing new products and services, direct marketing campaigns, and retention efforts. U.S. Cellular focuses on both retail consumers and small-to-mid-size business customers in vertical industries such as construction, retail, professional services and real estate. These industries are primarily served through U.S. Cellular's retail and direct sales channels.

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U.S. Cellular's main sources of revenues are from its own customers and from customers of competitors who roam on its network. The interoperability of wireless service enables a customer who is in a wireless service area other than the customer's home service area to place or receive a call or use data in that service area. U.S. Cellular has entered into reciprocal roaming agreements with operators of other wireless systems covering virtually all systems with Code Division Multiple Access ("CDMA") technology in the United States, Canada and Mexico. Roaming agreements offer customers the opportunity to roam on these systems. These reciprocal agreements automatically pre-register the customers of U.S. Cellular's systems in the other carriers' systems. In addition, a customer of a participating system roaming in a U.S. Cellular market where this arrangement is in effect is able to make and receive calls or data on U.S. Cellular's system. The charge for this service is negotiated as part of the roaming agreement between U.S. Cellular and the roaming customer's carrier. U.S. Cellular bills this charge to the customer's home carrier, which then may bill the customer. In many instances, based on competitive factors, carriers, including U.S. Cellular, may not charge their customers, or charge lower amounts to their customers than the amounts actually charged by other wireless carriers for roaming. Since 2010, U.S. Cellular has offered nationwide 3G data roaming services, allowing its customers to access high-speed data across the country.

U.S. Cellular currently is exploring 4G LTE roaming agreements with operators of other wireless systems. The FCC's adoption of mandatory 4G LTE roaming rules, which were upheld by the United States Court of Appeals for the District of Columbia, may be of assistance in the negotiation of 4G LTE roaming agreements with other wireless operators in the future. However, technological challenges currently exist which limit the interoperability of 4G LTE wireless devices on other carriers' networks. Specifically, wireless devices support certain configurations of spectrum frequencies and as a result 4G LTE wireless devices offered by carriers are not necessarily compatible with the networks of other carriers. U.S. Cellular is working with other carriers, original equipment manufacturers and potential LTE roaming vendors to mitigate interoperability issues. U.S. Cellular anticipates being ready to support inbound and outbound LTE roaming (with compatible networks) in the second half of 2014. See also "Regulation – FCC Interoperability Order" below.

## **Technology and System Design and Construction**

*Technology.* Wireless telecommunication systems transmit voice, data, graphics and video through the transmission of signals over networks of radio towers using radio spectrum licensed by the FCC. Access to local, regional, national and worldwide telecommunications networks is provided through system interconnections. A high-quality network, supported by continued investments in that network, will remain an important factor for wireless companies to remain competitive.

U.S. Cellular deployed 4G LTE technology in conjunction with King Street Wireless L.P. that covered approximately 87% of its postpaid customers as of December 31, 2013, and anticipates further expansion of 4G LTE coverage in 2014. U.S. Cellular continues to offer services based on 3G technology and CDMA digital technology across its networks.

Through roaming agreements with other CDMA-based wireless carriers, U.S. Cellular's customers may access CDMA service in virtually all areas of the United States, as well as parts of Canada and Mexico. Another digital technology, Global System for Mobile Communication ("GSM"), has a larger installed base of customers worldwide. Since CDMA technology currently is not compatible with GSM technology, U.S. Cellular customers with CDMA-only based wireless devices are currently not able to use their wireless devices when traveling through areas serviced only by GSM-based networks. However, both CDMA and GSM technologies are being succeeded by 4G LTE technology.

*System Design and Construction.* U.S. Cellular designs and constructs its systems in a manner it believes will permit it to provide high-quality service to substantially all types of compatible wireless devices. Designs are based on engineering studies which relate to specific markets, in support of the larger network. Such engineering studies are performed by U.S. Cellular personnel or third-party engineering firms. Network reliability is given careful consideration and extensive backup redundancy is employed in many aspects of U.S. Cellular's network design. Route diversity, redundant equipment, ring topology and extensive use of emergency standby power also are used to enhance network reliability and minimize service disruption from any particular network element failure.

In accordance with its strategy of building and strengthening its operating market areas, U.S. Cellular has selected high-capacity, carrier-class digital wireless switching systems that are capable of serving multiple markets through a single mobile telephone switching office. Centralized equipment, used for network and data management, is located in high-availability facilities supported by multiple levels of power and network redundancy. U.S. Cellular's systems are designed to incorporate Internet Protocol ("IP") packet-based Ethernet technology, which allows for increased data capacity and a more efficient network. Interconnection between the mobile telephone switching office and the cell sites utilizes Ethernet technology for nearly all 4G LTE sites, over fiber or microwave links.

U.S. Cellular believes that currently available technologies and appropriate capital additions will allow sufficient capacity on its networks to meet anticipated demand for voice and data services over the next few years. U.S. Cellular's continued investment in new licenses will support future demand for fourth generation broadband services using 4G LTE. Increasing demand for high-speed data and video services may require the acquisition of additional licenses to provide sufficient capacity.

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Construction of wireless systems is capital-intensive, requiring substantial investment for land and improvements, buildings, towers, mobile telephone switching offices, cell site equipment, transport equipment, engineering and installation. U.S. Cellular primarily uses its own personnel to engineer each wireless system it owns and operates, and engages contractors to construct the facilities.

The costs (inclusive of the costs to acquire licenses) to develop the systems which U.S. Cellular operates have historically been financed primarily through proceeds from debt and equity offerings, with cash generated by operations, and proceeds from the sales of wireless interests. U.S. Cellular believes that existing cash and investments balances, expected cash flows from operating and investing activities and funds available under its revolving credit facility provide substantial liquidity and financial flexibility for U.S. Cellular to meet its normal financing needs (including working capital and capital expenditures) for the foreseeable future. In addition, U.S. Cellular may access public and private capital markets to help meet its financing needs.

## **Competition**

The wireless telecommunication industry is highly competitive. U.S. Cellular competes directly with several wireless service providers in each of its markets. In general, there are between three and five competitors in each wireless market in which U.S. Cellular provides service, excluding resellers and mobile virtual network operators. U.S. Cellular generally competes against each of the national wireless companies: Verizon Wireless, AT&T Mobility, Sprint, and T-Mobile USA. These competitors have substantially greater financial, technical, marketing, sales, purchasing and distribution resources than U.S. Cellular.

Since each of these competitors operates on systems using spectrum licensed by the FCC and has comparable technology and facilities, competition among wireless service providers for customers is principally on the basis of types of products and services, price, size of area covered, call quality, network speed and responsiveness of customer service. U.S. Cellular employs a customer satisfaction strategy that includes maintaining an outstanding wireless network throughout its markets that it believes has contributed to its overall success.

The use of national advertising and promotional programs by the national wireless service providers may be a source of additional competitive and pricing pressures in all U.S. Cellular markets, even if those operators do not provide direct service in a particular market. In addition, in the current wireless environment, U.S. Cellular's ability to compete depends on its ability to continue to offer national voice and data plans. U.S. Cellular provides wireless services comparable to the national competitors, but the national wireless companies operate in a wider geographic area and are able to offer no- or low-cost roaming over a wider area on their own networks than U.S. Cellular can offer on its network. When U.S. Cellular offers the same coverage area as one of these competitors, U.S. Cellular incurs roaming charges for data sessions and calls made in portions of the coverage area which are not part of its network, thereby increasing its cost of operations. U.S. Cellular depends on roaming agreements with other wireless carriers to provide voice and data roaming capabilities in areas not covered by U.S. Cellular's network. Similarly, U.S.

Cellular provides roaming services on its network to other wireless carriers' customers who travel within U.S. Cellular's coverage areas.

Bundled offerings, in the form of "triple plays" and "quadruple plays" (combinations of cable or satellite video service, high-speed internet, wireline service, and wireless service), are common among some of U.S. Cellular's competitors. Convergence is taking place on many levels, including dual-mode wireless devices that act as wireline or wireless devices depending on location and the incorporation of wireless "hot spot" technology in wireless devices for making internet access seamless regardless of location. Although less directly a substitute for other wireless services, wireless data services such as Wi-Fi may be adequate for those who do not need full mobility wide area roaming or full two-way voice services. Technological advances or regulatory changes in the future may make available other alternatives to wireless service, thereby creating additional sources of competition.

U.S. Cellular's approach in 2014 and in future years will be to focus on the unique needs and attitudes towards wireless service of its selected target segments. U.S. Cellular will deliver selected, targeted high quality products and services at fair prices and will continue to differentiate itself by providing an overall outstanding customer experience, including a high quality network experience. U.S. Cellular's customer-centric approach, highly reliable network, as evidenced by numerous consumer satisfaction awards based on survey results, and cutting-edge wireless devices all represent examples of how U.S. Cellular believes it is differentiating itself from competitors as it relates to the customer experience. U.S. Cellular's ability to compete successfully in the future, and to meet growth and return on capital objectives, will depend upon its ability to anticipate and respond to changes related to new service offerings, customer preferences, competitors' pricing strategies, technology, demographic trends and economic conditions and its access to adequate spectrum resources.

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**Business Development Strategy**

U.S. Cellular's business development strategy is to obtain interests in and access to wireless licenses in its current operating markets and in areas that are adjacent to or in close proximity to its other wireless licenses, thereby building contiguous operating market areas with strong spectrum positions. U.S. Cellular believes that the acquisition of additional licenses within its current operating markets will enhance its network capacity to meet its customers' increased demand for data services. U.S. Cellular anticipates that grouping its operations into market areas will continue to provide it with certain economies in its capital and operating costs. U.S. Cellular may continue to make opportunistic acquisitions or exchanges that further strengthen its current operating markets or in other attractive markets. U.S. Cellular seeks to acquire noncontrolling interests in licenses in which it already owns the majority interest and/or operates the license. From time to time, U.S. Cellular has divested outright or included in exchanges for other wireless interests certain consolidated and investment interests that were considered less essential to its current and expected future operations. As part of its business development strategy, U.S. Cellular from time to time may be engaged in negotiations relating to the acquisition, exchange or disposition of companies, strategic properties or wireless spectrum. In general, U.S. Cellular may not disclose such transactions until there is a definitive agreement. In addition, U.S. Cellular may participate as a bidder, or member of a bidding group, in auctions for wireless spectrum administered by the FCC. In general, U.S. Cellular may not disclose any such participation unless it or such bidding group is announced as a winning bidder by the FCC.

In addition to the Divestiture Transaction discussed in Note 5 – Acquisitions, Divestitures and Exchanges in the Notes to Consolidated Financial Statements, U.S. Cellular engaged in the following significant transactions in the last five years.

*Spectrum Transactions.* The following are significant license transactions in the last five years. No customers, network assets, other assets or liabilities were included in these transactions. In addition to the licenses listed below, U.S. Cellular has acquired or divested of a number of other licenses as part of less significant transactions in recent years.

*2013 Spectrum Sales.* On October 4, 2013, U.S. Cellular sold the majority of its Mississippi Valley non-operating market license ("unbuilt license"). On August 14, 2013, U.S. Cellular entered into a definitive agreement to sell the majority of its St. Louis area unbuilt license.

*2012 700 MHz A-Block.* On August 15, 2012, U.S. Cellular completed a license purchase whereby U.S. Cellular received four 700 MHz A-Block spectrum licenses covering portions of Iowa, Kansas, Missouri, Nebraska, and Oklahoma. On November 20, 2012, U.S. Cellular completed a license purchase whereby U.S. Cellular received seven 700 MHz A-Block spectrum licenses covering portions of Illinois, Michigan, Minnesota, Missouri, Nebraska, Oregon, Washington and Wisconsin.

*2011 Spectrum Swap.* On September 30, 2011, U.S. Cellular completed an exchange whereby U.S. Cellular received eighteen 700 MHz spectrum licenses covering portions of Idaho, Illinois, Indiana, Kansas, Nebraska, Oregon and Washington in exchange for two PCS spectrum licenses covering portions of Illinois and Indiana.

*FCC Auctions.* As more fully described in the Regulation section below, in 2012, the FCC conducted a single round, sealed bid, reverse auction to award Mobility Fund Phase I support to bidders that commit to provide wireless service in areas designated as unserved by the FCC. U.S. Cellular and several of its subsidiaries were winning bidders in eligible areas within 10 states.

From time to time, the FCC conducts auctions through which additional spectrum is made available for the provision of wireless services. U.S. Cellular has participated in certain prior FCC auctions indirectly through its limited partnership interests. Each entity qualified as a “designated entity” and thereby was eligible for bidding credits with respect to most licenses purchased in accordance with the rules defined by the FCC for each auction. In most cases, the bidding credits resulted in a 25% discount from the gross winning bid.

The FCC’s Auction 73 for spectrum in the 700 MHz band closed on March 20, 2008. U.S. Cellular participated in Auction 73 indirectly through its limited partnership interest in King Street Wireless L.P. (“King Street Wireless”). King Street Wireless was the successful winning bidder of 152 licenses in Auction 73. These licenses were granted by the FCC in December 2009.

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**Regulation**

*Regulatory Environment.* U.S. Cellular's operations are subject to FCC and state regulation. The wireless licenses that are held by U.S. Cellular and by the designated entities in which U.S. Cellular owns a non-controlling interest are granted by the FCC for the use of radio frequencies and are an important component of the overall value of U.S. Cellular's consolidated assets. The construction, operation and transfer of wireless systems in the United States are regulated to varying degrees by the FCC pursuant to the Communications Act of 1934 ("Communications Act"). In 1996, Congress enacted the Telecommunications Act of 1996 ("Telecommunications Act"), which amended the Communications Act. The Telecommunications Act mandated significant changes in telecommunications rules and policies to promote competition, ensure the availability of telecommunications services to all parts of the United States and streamline regulation of the telecommunications industry to remove regulatory burdens, as competition developed. The FCC has promulgated regulations governing construction and operation of wireless systems, licensing (including renewal of licenses) and technical standards for the provision of wireless services under the Communications Act, and has implemented the legislative objectives of the Telecommunications Act, as discussed below.

*Licensing—Wireless Service.* Wireless licenses are granted by the FCC based on various geographic areas. The completion of acquisitions, involving the transfer of control of all or a portion of a wireless system, requires prior FCC approval. The FCC determines on a case-by-case basis whether an acquisition of wireless licenses is in the public interest.

The Communications Act also requires the FCC to award new licenses for most commercial wireless services through a competitive bidding process in which spectrum is awarded to bidders in an auction. From time to time, the FCC conducts auctions through which additional spectrum is made available for the provision of wireless services. U.S. Cellular has participated in such auctions in the past and is likely to participate in other auctions conducted by the FCC in the future as an applicant or as a non-controlling partner in another auction applicant. FCC anti-collusion rules place certain restrictions on business communications and disclosures by participants in an FCC auction.

*Licensing—Facilities.* The FCC must be notified each time an additional cell site for a cellular system is constructed which enlarges the service area of that cellular system. The FCC is currently considering modifying this requirement by issuing licenses to cellular licensees for the market area they serve. U.S. Cellular believes that its facilities are in compliance with current requirements and will comply with any future requirements.

*Licensing—Commercial Mobile Radio Service.* Pursuant to the 1993 amendments to the Communications Act, cellular, personal communications, advanced wireless, and 700 MHz services are classified as Commercial Mobile Radio Service in that they are services offered to the public for a fee and are interconnected to the public switched telephone network. The FCC has determined that it will not require carriers providing such services to comply with a number of statutory provisions otherwise applicable to common carriers, such as the filing of tariffs. All Commercial

Mobile Radio Service wireless licensees must satisfy specified coverage requirements. Licensees which fail to meet the coverage requirements may be subject to forfeiture of their licenses.

Wireless licenses are generally granted for a ten year term or, in some cases, for fifteen years. The FCC has established standards for conducting comparative renewal proceedings between a wireless licensee seeking renewal of its license and challengers filing competing applications. All of U.S. Cellular's licenses for which it applied for renewal between 1995 and 2013 have been renewed. In 2010, the FCC released a Notice of Proposed Rulemaking ("NPRM") regarding wireless services renewal proceedings. Pursuant to the NPRM, the FCC would abolish comparative renewal proceedings, and establish criteria by which it would determine whether a wireless licensee was entitled to license renewal. The proposed changes have been opposed by most wireless carriers, including U.S. Cellular. It is, however, likely that the FCC will take some action to modify the license renewal process. U.S. Cellular expects to meet the criteria of any license renewal process.

U.S. Cellular conducts and plans to conduct its operations in accordance with all relevant FCC rules and regulations and anticipates being able to qualify for renewal expectancy in its upcoming renewal filings whatever renewal criteria are applied. Accordingly, U.S. Cellular expects to be able to renew its licenses. However, changes in the regulation of wireless operators or their activities or changes in the FCC's renewal requirements could have a material adverse effect on U.S. Cellular's operations.

*E-911.* The FCC has imposed E-911 regulations on wireless carriers. The rules require wireless carriers to provide different levels of detailed location information about E-911 callers depending on the capabilities of the local emergency call center. As of June 28, 2013, wireless carriers also are required to provide an automatic "bounce-back" text message to customers who attempt to send a text message to the local emergency call center from a location where "text to 911" is not available. The bounce back message would advise such customers that "text to 911" is not supported at that location and to contact emergency services by other means. U.S. Cellular is in compliance with the FCC's requirements regarding E-911.



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*Hearing Aid Compatibility.* The FCC has imposed Hearing Aid Compatibility requirements on wireless carriers. These rules mandate that carriers offer to customers a certain number or percentage of handsets which are compatible with different types of hearing aids. The rules also require certain types of marketing and labeling practices in relation to such handsets, as well as certain disclosures on wireless carrier websites. There are also annual carrier reporting requirements regarding Hearing Aid Compatibility. U.S. Cellular is in compliance with the FCC's Hearing Aid Compatibility requirements.

*Telecommunications Act—General.* The primary purpose of the Telecommunications Act is to open all telecommunications markets to competition. The Telecommunications Act makes most direct or indirect state and local barriers to competition unlawful. It directs the FCC to preempt all inconsistent state and local laws and regulations, after notice and comment proceedings. It also enables electric and other utilities to engage in telecommunications service through qualifying subsidiaries.

Only narrow powers over wireless carriers are left to state and local authorities. Each state retains the power to impose competitively neutral requirements that are consistent with the Telecommunications Act's universal service provisions which a state considers necessary to promote universal service, public safety and welfare, continued service quality and consumer rights. Although a state may not impose requirements that effectively function as barriers to entry, it retains limited authority to regulate certain competitive practices in rural telephone company service areas.

The Telecommunications Act authorizes and directs the FCC to establish an explicit universal service fund, to preserve and advance universal access to telecommunications services in rural and high-cost areas of the country, to ensure that low-income consumers have access to telecommunications services, and to promote access for schools, libraries and health care providers. The Telecommunications Act requires all interstate telecommunications providers, including wireless service providers, to "make an equitable and non-discriminatory contribution" to support the cost of providing universal service, unless their contribution would be de minimis. At present, the provision of wireline and wireless telephone service in high cost areas is subsidized by support from the Universal Service Fund ("USF") to which all carriers with interstate and international revenues must contribute. Carriers are free to pass on the cost of such contributions to their customers. In 2013, U.S. Cellular contributed \$90 million into the federal USF and passed on the cost of such contributions to its customers.

Wireless carriers may be designated by states, or in some cases by the FCC, as eligible to receive universal service support payments if they provide specified services in "high cost" areas. In 2013, U.S. Cellular received approximately \$106.8 million in high cost support for service to high cost areas in the states of Illinois, Iowa, Kansas, Maine, Missouri, Nebraska, New Hampshire, New York, North Carolina, Oklahoma, Oregon, Tennessee, Virginia, Washington, Wisconsin and West Virginia. This high cost support is undergoing change, as set forth below.

*National Broadband Plan.* In 2009, Congress directed the FCC to develop a National Broadband Plan (the "Plan") to ensure every American has "access to broadband capability." In March 2010, the FCC released the Plan which

describes the FCC's goals in enhancing broadband availability and the methods for achieving those goals over the next decade. Among the recommendations in the Plan which are significant to wireless providers are a series of proposals to make up to 500 MHz of spectrum newly available for broadband wireless uses by 2020, with a benchmark of making 300 MHz available by 2015, to reserve additional spectrum for unlicensed wireless use and to make more spectrum available for opportunistic and secondary uses. The Plan also made recommendations for transitioning the USF from supporting voice networks to broadband networks over time.

*FCC's USF and ICC Reform Order.* Pursuant to the Plan and subsequent notices of proposed rulemaking, on November 18, 2011, the FCC released a Report and Order and Further Notice of Proposed Rulemaking ("Reform Order") adopting reforms of its universal service and intercarrier compensation mechanisms, and proposing further rules to advance reform. The Reform Order substantially revised the USF high cost program and intercarrier compensation regime. The current USF program, which supports voice services, began to be phased out in 2012. As a replacement, the FCC is adopting the Connect America Fund ("CAF"), a new Mobility Fund, and a Remote Area Fund, which will collectively support broadband-capable networks. Mobile wireless carriers such as U.S. Cellular may be eligible to receive funding under each of these funds under certain circumstances.

The FCC has determined that both wireline and wireless facilities should be supported with one wireline carrier and one mobile carrier receiving support in each area. The Mobility Fund will be implemented in two phases. The Phase I Mobility Fund which was implemented in 2012 is designed to provide one-time funding through a reverse auction to fill in coverage in "dead zones" that currently lack 3G wireless service. In Phase I, \$300 million was allocated throughout the country and an additional \$50 million was set aside for tribal lands through the reverse auction described below. The Phase II Mobility Fund will have a budget of up to \$500 million per year (up to \$100 million of which is reserved for tribal lands), with the method of disbursement to be determined in a further NPRM. Phase II funding will be provided to areas that lack 4G wireless service. The CAF will support service to homes, businesses, and anchor institutions, using any technology that can meet the technical requirements.

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On September 27, 2012, the FCC conducted a single round, sealed bid, reverse auction to award up to \$300 million in one-time Mobility Fund Phase I support to successful bidders that commit to provide 3G, or better, wireless service in areas designated as unserved by the FCC. This auction was designated by the FCC as Auction 901. U.S. Cellular and several of its wholly-owned subsidiaries participated in Auction 901 and were winning bidders in eligible areas within 10 states and will receive up to \$40.1 million in one-time support from the Mobility Fund, \$13.4 million of which was received as of December 31, 2013. In connection with these winning bids, in June 2013, U.S. Cellular provided \$17.4 million in letters of credit to the FCC. Pursuant to the auction rules, winning bidders must complete network build-out projects to provide 3G or 4G service to these areas within two or three years, respectively, and must also make their networks available to other providers for roaming. Winning bidders will receive support funding primarily upon achievement of coverage milestones defined in the auction rules. As a winning bidder, U.S. Cellular will be required to meet certain regulatory conditions in the areas where it will receive funding to provide service. Examples of these regulatory conditions include: allowing other carriers to colocate on U.S. Cellular's towers, allowing voice and data roaming on U.S. Cellular's network, and submitting various reports and certifications to retain eligibility each year. It is possible that additional regulatory requirements will be imposed pursuant to the FCC's Reform Order.

The terms and rules for participating in the CAF and Phase II Mobility Fund as a wireless eligible telecommunications carrier ("ETC") have not been developed yet by the FCC. It is uncertain whether U.S. Cellular will obtain support through the CAF or Phase II of the Mobility Fund. If U.S. Cellular is successful in obtaining support, it will be required to meet certain regulatory conditions to obtain and retain the right to receive support including, for example, allowing other carriers to colocate on U.S. Cellular's towers, allowing voice and data roaming on U.S. Cellular's network, and submitting various reports and certifications to retain eligibility each year. It is possible that additional regulatory requirements will be imposed pursuant to the FCC's Reform Order.

U.S. Cellular's current ETC support is being phased down. ETC support was frozen on January 1, 2012 at the 2011 level and is being phased down at the rate of 20% per year beginning July 1, 2012. If the Phase II Mobility Fund is not operational by July 2014, the phase down will halt at that time and U.S. Cellular will continue to receive 60% of its baseline support until the Phase II Mobility Fund is operational.

With respect to intercarrier compensation, the Reform Order provides for a reduction in the charges that U.S. Cellular pays to wireline phone companies to transport and terminate calls that originate on U.S. Cellular's network, which has reduced U.S. Cellular's operating expenses. The reductions in intercarrier charges are to increase over the next five to ten years, further reducing U.S. Cellular's operating expenses.

The FCC's Reform Order, and any subsequent orders it adopts to reform universal service and intercarrier compensation, are subject to judicial review. Multiple appeals of the Reform Order were consolidated and argued in the U.S. Court of Appeals for the 10<sup>th</sup> Circuit on November 19, 2013, with a decision anticipated in 2014. At this time, U.S. Cellular cannot predict the timing or outcome of any such decision, or whether such decision or any future rulemaking, reconsideration and legal challenges would result in a material adverse effect on U.S. Cellular's business, financial condition or results of operations.

U.S. Cellular also cannot predict the net effect of the FCC's changes to the USF high cost support program in the Reform Order or whether reductions in support will be fully offset with additional support from the CAF or the Mobility Fund. Accordingly, U.S. Cellular cannot predict whether such changes will have a material adverse effect on U.S. Cellular's business, financial condition or results of operations.

*Middle Class Tax Relief and Job Creation Act of 2012.* In 2012, Congress adopted the Middle Class Tax Relief and Job Creation Act of 2012 ("Spectrum Act") granting the FCC, among other matters, general authority to conduct incentive auctions including an incentive auction of broadcast television spectrum, and establishing a three year deadline for the FCC to reallocate, auction and grant new commercial licenses in the following bands, 1915-1920 MHz paired with 1995-2000 MHz (collectively the "H Block"), and 15 MHz within 1675-1710 MHz, 2155-2180 MHz, and 15 MHz "to be identified by the FCC" (collectively, the "AWS-3 Blocks"). In late 2012 and continuing in 2013, the FCC commenced proceedings to implement these mandates in the Spectrum Act. In 2013, the FCC completed rules to auction and license ten megahertz of paired H Block spectrum for terrestrial fixed and mobile use as required by the Spectrum Act. The FCC commenced the auction for this H block spectrum in January 2014. The FCC's proceedings to prepare for the auction of the AWS-3 Blocks and to hold a separate incentive auction of broadcast television spectrum to expand mobile broadband service remain pending. The FCC has indicated its intention to auction the AWS-3 Blocks in late 2014 in order to satisfy a Spectrum Act licensing deadline of February 2015. Commencement of the FCC's incentive auction of broadcast television spectrum is expected in 2015. The Spectrum Act does not specify a deadline for commencement of this incentive auction.

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*Net Neutrality.* In 2009, the FCC initiated a rulemaking proceeding designed to codify its existing “Net Neutrality” principles and impose new requirements that could have the effect of restricting the ability of wireless internet service providers to manage applications and content that traverse their networks. In December 2010, after a lengthy proceeding which considered different approaches including the “reclassification” of internet access as “common carrier” service under Title II of the Communications Act, the FCC adopted a net neutrality rule based on its Title I “ancillary” authority to enforce different parts of the Communications Act. The rule requires all providers of broadband internet access, including both fixed (that is, telephone and cable) and wireless providers, to publicly disclose accurate information regarding their network management practices, performance and commercial terms sufficient for consumers to make informed choices regarding the use of such services. The rule also prohibits all internet providers from blocking consumers’ access to lawful websites, subject to reasonable network management, and from blocking applications that compete with the provider’s voice or video telephony services, also subject to reasonable network management. The rule subjects the providers of fixed but not wireless broadband internet access to a prohibition on “unreasonable discrimination” in transmitting internet traffic over their networks, also subject to reasonable network management. The exemption of wireless providers from this part of the rule reflects recognition of the capacity constraints and other “special conditions” under which mobile broadband service is offered and the competitive nature of evolving wireless networks. Thus, the FCC considered it appropriate in 2010 to take only the “measured steps” with respect to mobile broadband service reflected in the rule. The net neutrality rules are controversial and have been challenged in the courts. On January 14, 2014, a three judge panel of the U.S. Court of Appeals for the District of Columbia Circuit vacated the "anti-blocking" and "anti-discrimination" portions of the FCC's net neutrality rules, leaving in place the disclosure requirements of the rules. In a public statement made on February 19, 2014, the Chairman of the FCC indicated that the agency does not plan to appeal the Court’s decision, but will consider ways to achieve its policy goals with respect to the “anti-blocking” and “anti-discrimination” provisions within the authority allowed by the Court’s decision, in particular authority granted under Section 706 of the Telecommunications Act of 1996. The Chairman proposed a new rulemaking proceeding to advance that process with a Notice of Proposed Rulemaking anticipated later this year. U.S. Cellular cannot predict the outcome of this proceeding.

*Data Roaming.* In 2007, the FCC adopted a rule requiring that wireless carriers offer “voice” roaming agreements to each other on a just, reasonable and non-discriminatory basis. The FCC stated that this was a common carrier obligation under Title II of the Communications Act. In 2011, the FCC broadened this obligation to require carriers to offer wireless “data” roaming agreements to each other. However, because this obligation involved the use of the Internet, it could not be a “common carrier” obligation. Thus, the FCC grounded the obligation in Title III of the Communications Act, under which the FCC regulates use of the radio spectrum. This order was challenged in the U.S. Court of Appeals for the District of Columbia Circuit on the grounds that it constituted an unlawful common carrier regulation. However, in December 2012, the court upheld the FCC's ruling. U.S. Cellular was an intervenor in the case in support of the FCC and believes that the FCC and court rulings will be beneficial to it and similarly situated wireless carriers.

*Network Resiliency.* On September 27, 2013, the FCC released a Notice of Proposed Rulemaking seeking comment on a proposed rule requiring wireless carriers to submit to the FCC, on a daily basis, for public disclosure, the percentage of their cell sites that are providing wireless service during and immediately after major disasters. The FCC also seeks comment on whether other measures of service outages during disasters might be appropriate and asks for proposals regarding other approaches to measuring network resilience. A decision on this proceeding is anticipated in 2014. Complying with such a mandate would not be expected to have a material adverse effect on U.S. Cellular's operations.

*Customer Proprietary Network Information.* Wireless carriers are required under Section 222 of the Communications Act to protect the confidentiality of customer information they receive as a consequence of the customer-carrier relationship, such as "call detail" information. Such information is referred to as "Customer Proprietary Network Information" ("CPNI"). On June 13, 2013, the FCC issued a Declaratory Ruling stating that Section 222 also applies to information "collected" by a wireless subscriber's mobile device, provided the collection is undertaken at the carrier's direction and the carrier still has access to or control over that information. This extends the reach of the CPNI definition beyond CPNI stored in a carrier's switches, servers or other places where they store information. U.S. Cellular will comply with this ruling.

*Rural Call Completion.* In 2013, the FCC adopted new rules concerning "rural call completion," to take effect in 2014. The rules may increase costs by imposing new data-retention and reporting requirements on providers of long-distance voice service. U.S. Cellular is now determining the extent to which these rules are applicable to it, and how to comply with them. To the extent the rules are applicable, compliance could be costly, but otherwise is not expected to have a material adverse effect on U.S. Cellular's operations.

*Spectrum Holdings.* In September 2012, the FCC adopted an NPRM which proposed a review of its policies regarding mobile spectrum holdings in the context of both auctions and secondary market transactions. Comments and reply comments were filed in November 2012 and January 2013. In the proceeding, the FCC sought and received comment on whether it should retain or modify the current case by case analysis used to evaluate mobile spectrum holdings, or adopt "bright line" limits on the amount of wireless spectrum which may be held by any carrier.

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The FCC also is considering updating the spectrum bands included in the evaluation of mobile spectrum holdings and whether to make distinctions between different bands in evaluating spectrum holdings. The FCC also is re-examining its determinations of geographic and product markets in the context of evaluating wireless transactions. It also is reviewing its spectrum "attribution" rules and remedies if a proposed transaction does not comply with its rules or policies.

*FCC Interoperability Order.* On October 25, 2013, the FCC adopted a Report and Order and Order of Proposed Modification confirming a voluntary industry agreement on interoperability in the Lower 700 MHz spectrum band. The FCC's Report and Order lays out a roadmap for the voluntary commitments of AT&T and DISH Network Corporation ("DISH") to become fully binding under a regulatory framework which will require the FCC to take additional actions proposed to be completed by the first quarter of 2014. Pursuant to this voluntary agreement, AT&T will begin incorporating changes in its network and devices that will foster interoperability across all paired spectrum blocks in the Lower 700 MHz Band, collectively comprising "Band 12" under the standards of the 3<sup>rd</sup> Generation Partnership Project ("3GPP"). AT&T also agreed to support LTE roaming on its networks for carriers with compatible Band 12 devices, consistent with the FCC's rules on roaming. As outlined in its voluntary commitment, AT&T will be implementing the foregoing changes in phases starting with network software enhancement taking place possibly through the third quarter of 2015 with the AT&T Band 12 device roll-out to follow. In addition, the FCC has adopted changes in its technical rules for certain unpaired spectrum licensed to AT&T and DISH in the Lower 700 MHz band to enhance prospects for Lower 700 MHz interoperability. AT&T's network and devices currently only interoperate across two of the three paired blocks in the Lower 700 MHz band. U.S. Cellular's LTE deployment utilizes spectrum in all three of these blocks and consequently was not interoperable with the AT&T configuration. U.S. Cellular believes that the FCC action will broaden the ecosystem of devices available to U.S. Cellular's customers over time.

U.S. Cellular cannot predict what, if any, changes the FCC will make to the foregoing rules, but intends to comply with all applicable requirements.

*State and Local Regulation.* U.S. Cellular is subject to state and local regulation in some instances. In 1981, the FCC preempted the states from exercising jurisdiction in the areas of licensing, technical standards and market structure. In 1993, Congress preempted states from regulating the entry of wireless systems into service and the rates charged by wireless systems to customers. The siting and construction of wireless facilities, including transmitter towers, antennas and equipment shelters are still subject to state or local zoning and land use regulations. However, in 1996, Congress amended the Communications Act to provide that states could not discriminate against wireless carriers in tower zoning proceedings and had to decide on zoning requests with reasonable speed. In addition, states may still regulate other terms and conditions of wireless service.

In 2009, the FCC adopted a rule, subsequently upheld by the Supreme Court, which provides that local zoning authorities must act on tower "colocation" requests within 90 days and must act within 150 days on applications for new facilities. Failure to act during those time frames constitutes a "failure to act" under the statute and the courts may fashion an appropriate remedy. Also, in 2012, Congress enacted Section 6409(a) of the Communications Act, which requires local zoning authorities to approve wireless carrier requests for modifications of existing wireless

antenna towers or base stations which do not "substantially change" the "physical dimensions" of the tower. These changes in FCC regulations and the Communications Act were intended to promote tower construction and antenna colocation and thus should be helpful to U.S. Cellular and other wireless carriers.

In 2000, the FCC ruled that the preemption provisions of the Communications Act do not preclude the states from acting under state tort, contract, and consumer protection laws to regulate the practices of commercial mobile radio service carriers, even if such activities might have an incidental effect on wireless rates. This ruling has led to more state regulation of commercial mobile radio service carriers, particularly from the standpoint of consumer protection. U.S. Cellular intends to comply with state regulation and to seek reasonable regulation of its activities in this regard.

The FCC is required to forbear from applying any statutory or regulatory provision that is not necessary to keep telecommunications rates and terms reasonable or to protect consumers. A state may not apply a statutory or regulatory provision that the FCC decides to forbear from applying. In addition, the FCC must review its telecommunications regulations every two years and change any that are no longer necessary. Further, the FCC is empowered under certain circumstances to preempt state regulatory authorities if a state is obstructing the Communications Act's basic purposes.

U.S. Cellular and its subsidiaries have been and intend to remain active participants in proceedings before the FCC and state regulatory authorities. Proceedings with respect to the foregoing policy issues before the FCC and state regulatory authorities could have a significant impact on the competitive market structure among wireless providers and the relationships between wireless providers and other carriers. U.S. Cellular is unable to predict the scope, pace or financial impact of policy changes which could be adopted in these proceedings.

*Radio Frequency Emissions.* The FCC has adopted rules specifying standards and the methods to be used in evaluating radio frequency ("RF") emissions from radio equipment, including network equipment and wireless devices used in connection with commercial mobile radio service. These rules were upheld on appeal by the U.S. Court of Appeals for the Second Circuit in 2000.



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The U.S. Supreme Court declined to review the Second Circuit's ruling. U.S. Cellular's network facilities and the wireless devices it sells to customers comply with these standards.

In August 2012, the Government Accountability Office ("GAO") issued a report which recommended that the FCC reassess its current radio frequency emission limits. In response to the GAO request, on March 29, 2013, the FCC released its First Report and Order ("Order"), Further Notice of Proposed Rulemaking ("FNPRM") and Notice of Inquiry ("NOI") concerning RF radiation issues. Comments on the FNPRM and NOI were filed during 2013 and the FCC may take further action in 2014. The Order resolves certain minor and technical issues. The FNPRM proposes to update the FCC's RF exposure regulations, by changing evaluation procedures and proposing certain exemptions from evaluation. The NOI seeks comment on possible new policies regarding RF exposure, and regarding whether present exposure limits should be changed to make them either more stringent or more lenient. U.S. Cellular cannot predict future FCC actions with respect to RF radiation or whether such actions might have a material adverse effect on U.S. Cellular's operations.

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**TDS Telecom Operations**

**General**

TDS Telecommunications Corporation (“TDS Telecom”) was incorporated under the laws of the state of Delaware in 1988. At December 31, 2013, TDS Telecom’s consolidated operating markets cover approximately 1.1 million wireline and cable connections and HMS operations in 36 states. TDS Telecom operates in three reportable segments: Wireline, Cable and HMS.

TDS Telecom provides diversified telecommunications services including wireline and cable broadband, video and voice and hosted and managed services. TDS Telecom’s wireline and cable subsidiaries provide high-quality telecommunications services to commercial and residential customers primarily in rural and suburban communities. As of December 31, 2013, TDS Telecom operates 115 incumbent local exchange carriers (“ILEC”) in 28 states and provides telecommunications services as a competitive local exchange carrier (“CLEC”) in Illinois, Michigan, Minnesota, and Wisconsin. Cable was formed through the acquisition of a cable business, Baja Broadband LLC (“Baja”), in August 2013, and provides high-quality video, broadband, and voice to residential and commercial customers in six western states primarily including Colorado, New Mexico, Texas and Utah. TDS Telecom also provides hosted and managed services (“HMS”) under the OneNeck IT Solutions (“OneNeck”) brand, which specializes in planning, engineering, procurement, installation, sales and management of Information Technology (“IT”) infrastructure, including: hosted application management, managed hosting, and ReliaCloud enterprise cloud services. HMS operates data centers in Arizona, Iowa, Minnesota and Wisconsin.

**Telecom Business Development Strategy**

In the last five years, TDS or TDS Telecom has acquired a cable business; five hosted and managed service businesses; and one ILEC for consideration totaling \$525.9 million. TDS Telecom may make additional opportunistic acquisitions in the future that further strengthen its operations. TDS Telecom’s acquisition strategy is to identify and target companies that support cost economies and complement TDS Telecom’s product and services growth strategy. As part of this strategy, TDS Telecom may also seek to divest or exchange interests that are not strategic to its long-term success.

While management believes that it will be successful in making additional acquisitions, there can be no assurance that TDS or TDS Telecom will be able to negotiate additional acquisitions on terms acceptable to them or that regulatory approvals, where required, will be received. In general, TDS may not disclose such transactions until there is a

definitive agreement.

## **WIRELINE OPERATIONS**

Wireline operations are located in a mix of rural, small town and suburban markets and urban markets, with the largest concentrations of its customers in the Upper Midwest and the Southeast. Wireline operations provide retail telecommunications services to both residential and commercial customers that reside within its respective service territories. Wireline also provides services to wholesale customers, who are primarily interexchange carriers (companies that provide long-distance telephone and data services between local exchange areas) that compensate TDS Telecom for the use of its facilities to originate and terminate their voice and data transmissions. The table below provides information about Wireline connections as of December 31, 2013.

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<b>Wireline Connections as of December 31, 2013 (1)</b>							
<b>State</b>	<b>Residential</b>	<b>Commercial</b>	<b>Total</b>	<b>Percent of Total</b>			
Wisconsin	141,200	138,700	279,900	29%			
Tennessee	86,100	21,300	107,400	11%			
Michigan	28,800	68,500	97,300	10%			
Minnesota	28,600	57,500	86,100	9%			
Georgia	48,700	9,500	58,200	6%			
New Hampshire	31,700	7,500	39,200	4%			
Indiana	30,000	6,000	36,000	4%			
Maine	21,400	4,400	25,800	3%			
Alabama	20,700	4,900	25,600	3%			
Oklahoma	18,800	3,900	22,700	2%			
Total for 10 Largest States	456,000	322,200	778,200	81%			
Other States	136,900	50,900	187,800	19%			
Total	592,900	373,100	966,000	100%			
(1)	"Connections" are the sum of physical access lines and high-capacity data circuits via various technologies including Digital Subscriber Line ("DSL") and dedicated internet, plus the number of telephone handsets, Internet Protocol television ("IPTV"), data lines and IP trunks providing communications using IP networking technology. A physical access line is the individual circuit connecting a customer to a telephone company's central office facilities.						

**Wireline Products, Services and Revenue Sources**

Wireline operations generate revenues by providing the following products and services to commercial and residential customers and carriers:

- Voice services, including basic local and long-distance telephone service, Voice over Internet Protocol ("VoIP") and enhanced local services like voice mail, caller ID and call forwarding;
- Broadband services, including DSL, other forms of high-speed internet and other enhanced data services;

- Network access services to interexchange carriers for the origination and termination of interstate and intrastate long distance phone calls on TDS Telecom’s network and special access services to carriers and others; and
- IPTV and satellite video.

The following table summarizes Wireline Operating revenue by category:					
For Year Ended December 31, 2013					
(Dollars in thousands)			Revenue		%
Residential			\$	293,217	40%
Commercial				232,910	32%
Wholesale				200,440	28%
	Total Operating Revenue		\$	726,567	100%

*Residential.* Wireline residential customer operations provide diversified telecommunications services, including local and long-distance telephone service, high-speed data products and video services. Video services are offered through either its own IPTV offering or through a resale agreement with a satellite provider. Wireline provides long-distance service by reselling long-distance service in its markets and through connections with long-distance carriers which purchase network access from TDS Telecom. Residential customer operations account for 61% of Wireline connections and 40% of total Wireline revenue.

Wireline’s residential customer strategy within its CLEC markets is to provide continuing service to its current residential customer base with high quality customer service and competitive pricing, but not to seek any new residential customers due to their high acquisition costs and due to regulatory changes which have increased network cost and limited network availability. Therefore, it is expected that the number of residential customers within the CLEC markets will continue to decline. There are 19,300 CLEC residential connections remaining at December 31, 2013.

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*Commercial.* Wireline commercial customer operations provide high-quality voice and data solutions including local and long-distance telephone service, broadband, IP based services, and other services to businesses within its markets that are typically small to medium sized businesses, but may include large corporations. Wireline operations provide these commercial customers with secure and reliable internet access, data connections and advanced voice service with innovative VoIP features. Wireline operations address customer needs for increased communications capabilities at reduced costs by matching these needs to new and existing technologies to create greater efficiencies and by providing support for these technologies after the sale. The Wireline flagship product is managedIP, a fully-hosted, software and hardware solution that provides customers with a secure internet connection and the latest VoIP features and capabilities. ManagedIP is available in selected markets covering 84% of all commercial customers at December 31, 2013.

*Wholesale.* Wireline operations continue to provide a high level of service to traditional interexchange carriers. Wireline's wholesale market focus is on access revenues, which is the compensation received for carrying long distance and data traffic on its networks. Universal Service Fund ("USF") revenues, which support the cost of providing telecommunication services in high cost areas, are also included in wholesale service revenues. In 2013, TDS Telecom received \$200 million in wholesale revenues which included approximately \$86 million received under all the USF programs. Recent and proposed regulatory changes may affect the amounts of Wireline future wholesale revenues. See "Wireline Regulation" below.

## **Wireline Strategy**

Wireline seeks to be the preferred telecommunications solutions provider in its markets for both residential and commercial customers by developing and delivering high-quality products that meet or exceed customers' needs and to outperform the competition by delivering superior customer service. The Wireline residential customer strategy is to provide voice, high-speed data, and video services through value-added bundling of products. The commercial focus is to provide advanced IP-based voice and data services. Wireline is actively investing in the continuing transformation of its traditional telecom networks as it works to economically deploy advanced technologies and new services. Wireline continues to champion economic development by actively advocating for state and federal regulatory frameworks that enable its operations to grow and invest profitably and continue to meet customer expectations for new and improved services.

Wireline believes that its residential and business customers have a strong preference to purchase complementary telecommunications services from a single provider. Wireline has found that by offering and bundling services in customer-friendly packages, it can build customer loyalty and reduce customer churn. Wireline offers bundles which include a full array of telephone services, high-speed data services and video services.

Wireline's objective is to be the preferred broadband provider in its ILEC residential markets by offering a wide range of premium internet services. It continues to invest in high-speed data service and as of December 31, 2013, was able to provide this service to 96% of its ILEC physical access lines. At that date, 61% of the households passed in its ILEC markets had 10 megabits per second ("Mbps") or faster service available. In selected residential markets, Wireline will lead its marketing and promotional strategies with superior quality IPTV. This interactive video offering is intended to counter intensifying competition for video service and retain the video component of triple play customer bundles. In markets where IPTV is not offered, TDS Telecom has partnered with a satellite TV provider to allow for triple play bundling.

Wireline has continued to expand its presence in the business broadband market with hosted-managedIP telephony, high-speed symmetrical dedicated broadband and point-to-point Ethernet services. ManagedIP delivers business customers a converged voice and data communications solution to the desktop. Point-to-point Ethernet provides customers secure and reliable high-speed data links for two or more locations over TDS Telecom's internal network, not the public Internet. The long-term strategy includes leveraging products such as managedIP and hosted and managed services to all of Wireline's commercial customers, differentiating both on service excellence and a superior product portfolio.

Wireline focuses its commercial marketing on information-intensive industries such as financial services, health services, real estate, hotels and motels, retail, education and government. Wireline uses its direct sales force, agents, digital marketing, targeted mailings, and telemarketing to sell products and services to commercial markets, which are segmented into tiers based on size (in terms of connections and revenues) and strategic importance. Different sales and distribution channels are used to target each segment.

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The following table summarizes additional information regarding Wireline connections for December 31, 2013.			
<b>Residential connections</b>			
	Voice (1)		352,100
	Broadband (2)		227,000
	IPTV (3)		13,800
		Residential connections	592,900
<b>Commercial Connections</b>			
	Voice (1)		218,400
	Broadband (2)		27,100
	managedIP (4)		127,600
		Commercial connections	373,100
<b>Total connections</b>			966,000
(1)	The individual circuit or "access line" connecting customers to TDS Telecom's central office facilities.		
(2)	The number of customers provided high-capacity data circuits via various technologies, including DSL and dedicated internet circuit technologies.		
(3)	The number of video customers receiving programming from TDS Telecom's IP distribution system.		
(4)	The number of telephone handsets, data lines and IP trunks providing communications using IP networking technology.		

**Wireline Network Architecture and Technology**

Wireline operates an integrated, highly-reliable network that consists of central office host and remote sites, primarily equipped with digital and IP switches. Fiber optic and copper cable connect the host central offices with remote switches and ultimately with end customers. Wireline continues to upgrade and expand its telecommunications network to respond to the needs of its customers for greater bandwidth and advanced technologies. The network is transitioning from its legacy circuit-switched network to a highly reliable IP-based broadband network to facilitate the integration of voice services, broadband, and video. Wireline has pursued a plan to deploy fiber technology, which enables significantly greater broadband speeds to selected residential subdivisions and to commercial customers, when the investment is economically justified.



Wireline has developed and deployed an inter-regional data routing infrastructure using leased fiber capacity which allows it to reach over 85% of its physical access lines with its multi-gigabyte core network. This configuration along with the continued development of an IP network that interconnects substantially all the existing service territories allows for next generation IP service offerings; namely, IPTV, managedIP, residential VoIP and least-cost routing as well as comprehensive IP policy management.

Wireline is also standardizing equipment and processes to increase efficiency in maintaining its network. Wireline utilizes centralized monitoring and management of its network to reduce costs and improve service reliability. Network standardization has supported TDS Telecom in operating its 24-hours-a-day / 7-days-per-week Network Management Center, which continuously monitors the network in an effort to proactively identify and correct network faults prior to any customer impact. In addition, TDS Telecom anticipates reducing costs through the sharing of best practices across operations, centralization or standardization of functions and processes, and deployment of technologies and systems that provide for greater efficiencies and profitability.

### **Wireline Competition**

The competitive environment in the telecommunications industry has changed significantly as a result of technological advances, customer expectations and changes to regulation. Wireline continues to seek to develop and maintain an efficient cost structure to ensure that it can compete with price-based initiatives from competitors. Wireline is faced with significant challenges, including competition from cable, VoIP, wireless and other wireline providers as well as decreases in intercarrier compensation received for the use of TDS Telecom's networks. These challenges could have a material adverse effect on the financial condition, results of operations and cash flows of TDS Telecom.

Wireline has experienced physical access line losses and access minute declines due to competition from wireless carriers offering local and nationwide voice and data plans, from cable providers offering voice and data services via cable modems, and from other VoIP providers.

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Cable companies have developed technological improvements that have allowed them to extend their competitive operations beyond major markets and have enabled them to provide a broader range of voice and data services over their cable networks. Several national cable companies have aggressively pursued the bundling of voice communications, data and video at discounted prices to attract customers from traditional telephone companies. In addition, cable companies continue to add value to their internet offerings by increasing speeds at no cost to the customer. Wireline estimates that 70% of its ILEC access lines face active competition from cable providers at December 31, 2013. Cable companies are increasingly targeting both residential and commercial customers.

Wireless telephone service providers offering feature-rich wireless devices and improved network quality constitute a significant source of competition. A growing segment of customers have chosen to completely forego the use of traditional wireline telephone service and instead rely solely on wireless service for voice communications services. This trend is more pronounced among residential customers, which comprise approximately 61% of Wireline connections as of December 31, 2013. Some small businesses may follow the residential path by choosing wireless service and disconnecting wireline service. Increasing penetration of wireless broadband services has led to substitution for wireline services, including long-distance, which impacts both Wireline retail and access revenue.

VoIP technology also has improved and has led cable, internet and other communications companies to substantially increase their offerings of VoIP service to commercial and residential customers. VoIP providers route calls partially or wholly over the Internet, without the use of ILEC circuit switches and, in the case of cable operators and CLECs, without the use of ILEC networks to carry their communications traffic. VoIP providers frequently use existing internet networks to deliver flat-rate, all-distance calling plans. These plans may also be priced below the prices currently charged for traditional ILEC local and long-distance telephone services.

While TDS Telecom positions itself as a high-quality telecommunications provider, it is experiencing competition from Regional Bell Operating Companies (“RBOCs”) in areas where TDS Telecom competes as a CLEC, other CLECs, cable providers, wireless carriers, and VoIP providers as it seeks to gain and retain customers. In addition, the RBOCs are continuing to implement technological changes that could impede TDS Telecom’s access to facilities used to provide CLEC telecommunications services. To mitigate this risk TDS Telecom is working on other forms of last mile access alternatives to deliver services.

## **Wireline Regulation**

*Regulatory Environment.* As communications common carriers, the ILECs are subject to federal, state and local regulation. The Communications Act of 1934, as amended by the Telecommunications Act, provides the statutory framework for United States communications policy. The Federal Communications Commission (“FCC”) generally exercises jurisdiction over all facilities of, and services offered by, communications common carriers to the extent

those facilities are used to provide, originate or terminate interstate or international telecommunications. State public utility commissions generally exercise jurisdiction over intrastate communications facilities and services. Regulators establish and oversee the implementation of the provisions of federal and state telecommunications laws, including interconnection requirements, universal service obligations, promotion of competition, and the deployment of advanced services. Maximum rates for regulated interstate services are prescribed by the FCC, and local rates paid by end user customers and intrastate access charges paid by carriers that furnish traffic to TDS Telecom continue to be subject to state commission approval in many states. TDS Telecom routinely pursues desired changes in regulation and rate structures in an attempt to maintain affordable rates and reasonable earnings. Revenues generated from access charges to other carriers, support mechanisms and surcharges to end user customers are included in the financial results as components of Residential, Commercial and Wholesale Revenues.

Most of the ILEC subsidiaries participate in both the National Exchange Carrier Association (“NECA”) interstate common line and traffic sensitive access charge tariffs and participate in the access revenue pools administered by the FCC-supervised NECA, which collects and distributes the revenues from interstate access charges. The FCC retains regulatory oversight over interstate long-distance rates and other issues relating to interstate telephone service and continues to regulate the interstate access system. Where applicable, and subject to state regulatory approval, TDS Telecom’s ILEC subsidiaries also utilize intrastate access tariffs and participate in intrastate revenue pools.

The ILEC subsidiaries also draw from the federal and state universal service funds. Universal service support helps keep services in rural and underserved markets comparable in quality and price to services in more urban markets, as Congress mandated in the Telecommunications Act. Specifically, the High Cost Program of the federal USF ensures that consumers have access to and pay rates for telecommunications services in rural and underserved areas that are reasonably comparable to those provided in urban areas. TDS Telecom’s subsidiaries draw from the USF because the cost of providing service in many of its rural markets is high, and all of those costs cannot be recovered solely from customers while still providing service that is reasonably comparable to services in urban markets.

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The CLEC operations, like its ILEC operations, are regulated by federal, state and local agencies. However, CLECs are subject to significantly less regulation than ILECs. The FCC regulates many of the rates, charges and services of ILECs to a greater degree than those of CLECs. CLECs are also subject to fewer regulatory requirements in connection with their installation and operation of facilities for domestic interstate telecommunications. CLECs are not required to maintain tariffs for domestic interstate long-distance services. However, they are required to submit certain periodic reports to the FCC, pay regulatory fees, and meet certain other obligations.

The Telecommunications Act requires ILECs to provide requesting carriers such as the Wireline's CLECs with nondiscriminatory access to unbundled network elements ("UNEs") at cost-based rates. UNEs are components of ILEC networks that CLECs lease, and in some cases, combine with their own network facilities to provide services to end user customers. Subsequent rulings have modified the circumstances under which ILECs must make UNEs available to CLECs at cost-based rates, e.g., the extent to which ILECs must unbundle and make available fiber optic lines and broadband hybrid loops. This has had the practical effect of increasing CLEC costs to deliver certain high-capacity services to customers because CLECs no longer can rely on ILECs to lease them fiber lines and broadband hybrid loops at cost-based rates. CLEC options can be further limited by the fact that in many jurisdictions ILECs are retiring their copper lines, thus removing those lines as an option for CLEC use as UNEs in connection with the provision of DSL services. As a result of these factors, Wireline's CLEC today either must construct its own fiber optic lines and hybrid loops, pay a higher rate to lease these facilities from ILECs, or seek other alternative providers where available.

## Federal Regulation

Wireline operations are required to comply with the Telecommunications Act, which requires, among other things, that communications common carriers offer interstate services when requested at just and reasonable rates at terms and conditions that are non-discriminatory. The Telecommunications Act's stated objective is to promote competition for the provision of local service by removing regulatory barriers to competing providers.

*National Broadband Plan.* In 2009, Congress directed the FCC to develop a National Broadband Plan (the "Plan") to ensure every American has "access to broadband capability." In March 2010, the FCC released the Plan which describes the FCC's goals in enhancing broadband availability and the methods for achieving those goals over the next decade. Since that time, the FCC has taken steps to implement several aspects of the Plan, including comprehensively reforming its USF and intercarrier compensation regime.

*USF and ICC Reform Order.* Pursuant to the Plan and subsequent notices of proposed rulemaking, on November 18, 2011, the FCC released a Reform Order adopting reforms of its universal service and intercarrier compensation mechanisms, establishing a new broadband-focused support mechanism, and proposing further rules to advance reform. Prior to the Reform Order, the intercarrier compensation system had carriers recovering their costs, in part, from one another. The Reform Order established certain rules for transitioning, over time, from the existing system to

one where carriers will recover their costs directly from their end user subscribers. The Reform Order also was accompanied by a Further Notice of Proposed Rulemaking seeking comment on a range of follow up proposals. The future proposed rulemaking is especially important to TDS Telecom, as numerous issues relevant to rate of return carriers will be addressed in it. The Reform Order also has been the subject of numerous Petitions for Reconsideration, which have asked the FCC to reconsider portions of its decision, and it is also the subject of a judicial appeal pending before the U.S. Court of Appeals for the Tenth Circuit. Oral argument before the designated Tenth Circuit panel regarding the various legal challenges to the Reform Order took place on November 19, 2013. However, there is no set deadline for the Court to issue its decision and any decision may be subject to further review by the full Tenth Circuit, by the U.S. Supreme Court, and/or in further proceedings before the FCC on remand. TDS Telecom cannot predict the timing or outcome of future rulemaking, reconsideration and legal challenges and as a consequence, the impacts they may have on Wireline wholesale revenues.

The FCC has determined that the deployment of both wireline and wireless broadband facilities should be supported by universal service mechanisms, with one wireline carrier and one mobile carrier receiving support in each area. This aspect of the FCC's decision could subject Wireline operations to additional competitive forces and improve the financial position of its competitors.

For rate of return carriers such as Wireline operations, the Reform Order establishes a \$2 billion annual fund that is intended to maintain existing levels of support in the aggregate while at the same time transitioning support mechanisms so that, over time, rate of return carriers receive support for the deployment of wireline broadband facilities principally through the Connect America Fund ("CAF") rather than through the intercarrier compensation regime. To effectuate the first phase of this effort, the Reform Order: establishes benchmarks that limit certain reimbursable capital and operating expenses for determining High Cost Loop Support; reduces High Cost Loop Support on a dollar-for-dollar basis where a carrier's local rates are set below a specified urban local rate floor; phases out safety net additive support; eliminates local switching support; eliminates support for service areas that overlap with the service areas of others; and imposes a \$250 absolute cap on per line support. Although the Reform Order is intended to permit rate of return carriers to recover any lost support through the explicit support mechanism in the CAF, it remains unclear whether the CAF will provide Wireline with the same level of support over time that Wireline currently receives.

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With respect to intercarrier compensation, the Reform Order provides for a reduction in the charges that Wireline operations pay to other carriers to transport and terminate calls that originate on Wireline's network, which will reduce Wireline's operating expenses. However, Wireline also receives revenue from other carriers to transport and terminate calls that originate on those carriers' networks. As a general matter, the amount and timeframe for these reductions will depend on the nature of the traffic at issue. In some cases, such as with the exchange of traffic between wireline and wireless carriers, the reduction is scheduled to occur quickly, whereas in other cases, such as with the exchange of traffic between wireline rate of return carriers, the reduction is scheduled to occur over a period of time. The fundamental goal of the Reform Order is to, over time, transition all intercarrier compensation to a default "bill and keep" arrangement so that, in the absence of some commercial arrangement, support for the deployment of broadband services is based solely on funds received from the CAF and end-user customers. As reductions in intercarrier charges increase over the next five to ten years, Wireline's related revenues and operating expenses are expected to decline.

*Net Neutrality.* The FCC has classified internet access service as an "information service," which is subject to substantially less regulation than traditional "telecommunications services" under federal law and generally is not subject to state or local government regulation. However, in 2009, the FCC initiated a rulemaking proceeding designed to codify its existing "Net Neutrality" principles and impose new requirements that could have the effect of restricting the ability of wireless internet service providers to manage applications and content that traverse their networks. In December 2010, after a lengthy proceeding that considered different approaches, including the "reclassification" of internet access as "common carrier" service under Title II of the Communications Act, the FCC adopted net neutrality rules based on its Title I "ancillary" authority to enforce different parts of the Communications Act. The rules require all providers of broadband internet access, including both fixed (that is, telephone and cable) and wireless providers, to publicly disclose accurate information regarding their network management practices, performance and commercial terms, sufficient for consumers to make informed choices regarding the use of such services. The rules also prohibit all internet service providers from blocking consumers' access to lawful websites, subject to reasonable network management, and from blocking applications that compete with the provider's voice or video telephony services, also subject to reasonable network management. The rules subject providers of fixed but not wireless broadband internet access to a prohibition on "unreasonable discrimination" in transmitting internet traffic over their networks, also subject to reasonable network management. The exemption of wireless providers from this part of the rule reflects a recognition of the capacity constraints and other "special conditions" under which mobile broadband service is offered and the competitive nature of evolving wireless networks. The net neutrality rules are controversial and have been challenged in the courts. On January 14, 2014, a three judge panel of the U.S. Court of Appeals for the District of Columbia Circuit vacated the "anti-blocking" and "anti-discrimination" portions of the FCC's net neutrality rules, leaving in place the disclosure requirements of the rules. In a public statement made on February 19, 2014, the Chairman of the FCC indicated that the agency does not plan to appeal the Court's decision, but will consider ways to achieve its policy goals with respect to the "anti-blocking" and "anti-discrimination" provisions within the authority allowed by the Court's decision, in particular authority granted under Section 706 of the Telecommunications Act of 1996. The Chairman proposed a new rulemaking proceeding to advance that process with a Notice of Proposed Rulemaking anticipated later this year. TDS Telecom cannot predict the outcome of this proceeding.

*American Recovery and Reinvestment Act.* Congress enacted the American Recovery and Reinvestment Act of 2009, ("the Recovery Act"), which provides, among other things, for an aggregate appropriation of \$7.2 billion to fund grants and loans to provide broadband infrastructure, access and equipment to consumers residing in rural, unserved or underserved areas of the United States. Under the Recovery Act, Wireline operations will receive \$105.1 million in

federal grants and will provide \$30.9 million of its own funds to complete 44 projects. Wireline began these projects in 2011 and expects to complete them before June 2015 as required under the terms of the grants. As of December 31, 2013, Wireline has made \$115.1 million of total capital expenditures under this program, has received reimbursement for \$63.6 million in grants, and has requested or will request reimbursement for an additional \$23.6 million.

*Rural Call Completion.* In 2013, the FCC adopted new rules concerning “rural call completion,” to take effect in 2014. The rules may increase costs by imposing new data-retention and reporting requirements on providers of long-distance voice service.

*Other federal regulations.* The FCC and various provisions of federal law require carriers to comply with numerous regulatory requirements. Compliance with these requirements may be costly and noncompliance can lead to lawsuits and financial penalties. These requirements include letting subscribers change to competitors’ services without changing their telephone numbers, taking actions to preserve the available pool of telephone numbers, making telecommunications accessible for those with disabilities, monitoring and reporting network outages, and properly handling and protecting customer proprietary network information. Under the Communications Assistance to Law Enforcement Act, all telecommunications carriers, including Wireline operations, must implement certain equipment changes necessary to assist law enforcement authorities in achieving an enhanced ability to conduct electronic surveillance of those suspected of criminal activity. TDS Telecom believes it is in material compliance with these requirements.

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### State Regulation

State regulators generally must approve rate adjustments, service areas and service standards and these regulators are authorized to limit the return earned on capital, subject to applicable state law. In some states, construction plans, borrowing, affiliated charge transactions and certain other financial transactions of ILECs are also subject to regulatory oversight and approval. Historically, states have designated a single ILEC as the provider of last resort in a local market and then regulated the entry of additional competing providers into the same local market. However, the Telecommunications Act largely preempted state authority over market entry. While states retain authority to regulate competitive entry in rural telephone company service areas, states may not impose requirements that effectively function as barriers to entry, and the FCC is required to preempt state requirements if they impose such barriers to entry.

As a general matter, Wireline operations have elected alternative forms of regulation for its ILEC subsidiaries in most states and will continue to pursue alternative regulation, as appropriate, for its remaining ILEC subsidiaries. Alternative regulation typically limits the ability to increase rates for local service, but relieves Wireline operations from the requirement to meet certain earnings tests and allows more flexibility in the pricing of enhanced and bundled service offerings.

CLECs are also subject to state regulation. Certain states require CLECs to obtain operating authority prior to initiating intrastate services. Certain states also require the filing of tariffs or price lists and/or customer-specific contracts. The CLEC operations are not currently subject to rate-of-return or price regulation. However, CLECs are subject to state-specific quality of service, universal service, periodic reporting and other regulatory requirements, although the extent of these requirements generally is less than those applicable to ILECs. In addition, local governments may require CLECs to obtain licenses or franchises which regulate the use of public rights-of-way necessary to install and operate their networks.

## **CABLE OPERATIONS**

On August 1, 2013, TDS Telecom acquired through its parent company TDS, substantially all of the assets of Baja, which operates cable systems in markets primarily in Colorado, New Mexico, Texas, and Utah. At December 31, 2013, Baja's cable plant served 147,400 total video, broadband and voice connections. Baja operates high-quality hybrid fiber and coaxial cable networks capable of delivering advanced video, high-speed data and voice services to residential and business customers. Through its cable operation ("Cable"), TDS Telecom is able to leverage its core competencies in network management and customer focus to extend its broadband footprint.

### **Cable Products and Services**



*Residential*

Cable offers advanced video, broadband and voice services utilizing a modernized network. Each of these services has a variety of features, which can be subscribed to on a stand-alone basis or in a bundle.

- **Video:** Customers are provided cable television services and programming offerings ranging from traditional analog cable offerings to full digital services. Customers have access to a basic service, pay-per-view channels and high definition television ("HDTV") combined with DVR service.
- **Broadband:** DOCSIS 3.0 technology is deployed to 96% of homes passed which allows Cable to offer transfer speeds from 4 Mbps for light users to 100Mbps for heavy users. Access to 24/7 technical support is also provided to broadband customers.
- **Voice:** Telephony service uses IP to transport digitized voice signals over the same private network that brings cable television and high-speed data services to customers. All residential voice service customers have access to direct international calling and can subscribe to various long distance plans.

In addition, services are actively bundled at competitive prices to encourage cross-selling within our customer base and to attract new customers. Approximately 35% of residential customers subscribe to a bundle of services.

*Commercial*

Business services are delivered over an advanced digital, fiber-optic platform providing high-speed broadband products, multi-line phone solutions and video. Cable provides advanced business services, including data networking, Ethernet, hosting, high speed broadband access and VoIP services, to small and medium sized businesses. Cable's commercial service team works closely with its customers' IT managers to develop customized telecommunications solutions and provides rapid implementation capabilities essential to the needs of businesses.

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### **Cable Strategy**

The foundation for Cable's business is the utilization of TDS Telecom's processes, procedures, shared support teams, IPTV experience, commercial expertise, and customer service focus to expand broadband offerings through its cable television business. TDS Telecom has begun to implement this strategy, commencing with the purchase of Baja, which strives to provide the best value and the fastest and most reliable high-speed data product as well as highest quality video and phone service in each of its markets.

### **Cable Technology and System Design**

Cable telecommunication systems, when upgraded, are designed to transmit video, data and voice services over a broadband Hybrid Fiber-coaxial (or HFC) network that consists of optical fiber transport from a headend facility to nodes where coaxial cable is then used to reach the customer. These networks offer substantial bandwidth capacity and through the use of DOCSIS 3.0 technology enables cable providers to offer robust broadband and voice services as well as traditional and two-way video services. Cable currently employs these technologies in its fiber rich network. Cable expects to connect its markets to the TDS Telecom multi-gigabyte network to leverage existing TDS Telecom internet connectivity, voice services, and support systems enhancing reliability and redundancy aimed at building greater credibility as a service provider.

### **Cable Competition**

Cable seeks to be the leading provider of video and broadband services in its targeted markets. In these markets, video competition is primarily satellite providers, and telephone companies that offer video services and compete for broadband and voice customers. From a broadband perspective, Cable will compete against the incumbent local telephone providers, who primarily offer DSL-based services. Cable offers a superior, higher bandwidth data product using its DOCSIS technology. Other telecommunications providers, including Internet-based VoIP providers and wireless providers may compete directly for both residential and commercial voice and data service customers. Since cable systems are operated under non-exclusive franchises, competing cable systems may be built in the same area. Cable intends to avoid markets served by such over-builders or municipalities which have constructed their own cable systems or where other ILEC's provide robust video service offerings.

### **Cable Regulation**

Cable owns certain cable television systems, which also provide high-speed internet and digital voice services.

Regulatory issues relating to internet and voice services are addressed above under “Wireline Regulation.” The Internet regulatory issues described above are substantially the same for telephone and cable providers.

With respect to voice services, Cable provides such services only through VoIP, as opposed to traditional circuit-switched voice service. The FCC has asserted jurisdiction over interconnected VoIP services and has extended a number of the traditional federal telephone regulations described above, but certain regulations applicable to traditional common carrier voice services have not been extended to VoIP. In addition, VoIP services may not be subject to the same degree of state regulation as traditional voice services. Nevertheless, the FCC and/or state regulatory authorities could subject VoIP services to such other regulations in the future.

### Federal Regulation

As a cable multiple systems operator (“MSO”), Cable is subject to regulation by the FCC, covering matters such as technical operations (e.g., signal leakage reporting), administrative requirements (e.g., system registration, maintenance of a public file), consumer protection (e.g., subscriber privacy, customer notice of certain changes in channel line-ups), access by people with disabilities (e.g., video-description requirements) and content (e.g., carriage of broadcast television stations, political advertising sales, and transmission of emergency alerts). These regulations include, among others, the requirement that cable systems carry qualifying commercial or non-commercial television broadcast stations that elect “must-carry” status. In addition, cable systems may not carry a commercial broadcast television station that elects “retransmission consent” status unless the station grants consent to the retransmission pursuant to a written agreement between the parties. Typically, these agreements, particularly agreements involving affiliates of the national broadcast networks, require the cable system to pay the originating station.

To the extent these regulations require Cable to devote capacity to “must-carry” stations, make payments for the right to carry “retransmission consent” stations, and/or expend resources complying with other regulatory requirements; these requirements affect the costs of operating cable systems. There are pending legislative proposals to alter some of these requirements, but Cable cannot predict what changes, if any, may be enacted or what effect such changes might have on Cable’s revenues or expenses.

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Federal copyright law grants cable operators a compulsory license, at royalties set by the federal government, allowing cable operators to retransmit the signals of television stations (assuming the necessary retransmission consents have been obtained). The Copyright Office and the U.S. Government Accountability Office both have issued reports examining proposals to eliminate the compulsory licenses, and legislative or regulatory changes to that effect may be proposed. Changes to the compulsory license royalties or the compulsory license system in general could affect the revenues and expenses of Cable's operations, but Cable cannot predict what changes, if any, may actually be proposed or enacted.

Federal law requires electric utilities and ILECs to provide cable companies with nondiscriminatory access to their poles, ducts, conduits and rights of way for use by cable companies in deploying their facilities. The rates at which such nondiscriminatory access must be provided are regulated and generally enable cable companies to attach to pole or occupy ducts, conduits and rights of way on an economic basis. The FCC revised its rate regulation in this area most recently in 2011, and its rules were upheld on appeal. An inability to attach to poles or occupy the ducts, conduits or rights of way of electric utilities and ILECs could impede Cable's ability to deploy facilities and provide services.

## State/Local Regulation

The operation of cable systems requires the MSO to obtain franchises from state or local governmental authorities to occupy public rights of way with network facilities. These franchises typically are nonexclusive and limited in time (subject to renewal), contain various conditions and limitations, and provide for the payment of fees to the local authority, determined generally as a standard percentage of gross revenues. Additionally, these franchises often regulate the conditions of service and technical performance and contain various types of restrictions on transferability. Failure to comply with the terms and conditions of a franchise may give rise to rights of termination by the franchising authority.

## **HOSTED AND MANAGED SERVICES**

TDS Telecom's hosted and managed services business ("HMS") was formed in 2010 to take advantage of the growing IT outsourcing marketplace and to leverage TDS Telecom's core competencies in network management, IT, customer service and reliability. TDS has made multiple strategic acquisitions to position itself in the fast-growing hosted and managed services industry. On January 1, 2014, all of the HMS acquisitions and their operations, including OneNeck IT Services Corporation, TEAM Technologies, LLC, VISI Incorporated, Vital Support Systems, LLC and MSN Communications, Inc., were consolidated under a single, unified brand, OneNeck IT Solutions. HMS provides cloud computing, colocation, hosted application management, hosted and managed services and planning, engineering, procurement, sales, installation, and management of IT infrastructure hardware solutions.

Through acquisition and organic growth, HMS has developed an operational platform that provides a foundation to deliver a full range of IT outsourcing solutions. HMS has organized its sales and professional services operations to leverage the trusted advisor relationships of its solutions provider acquisitions and offer the entire HMS product portfolio within regional geographies. HMS's hosted application management practice is national in scope creating an entry point into client accounts to sell a broad range of products and services.

## **HMS Products and Services**

HMS provides IT equipment and solutions to meet its business customers' needs across several broad product categories: colocation, hosted and managed-services, cloud services and solutions provider services. HMS operates fault tolerant, continuously maintainable data center facilities. Value is provided to its customers through experienced teams that manage mission critical data centers, cloud, and customer infrastructure 24 hours per day 365 days per year. Statement on Standards for Attestation Engagements 16 ("SSAE 16") reports, which describe the controls in place at HMS's facilities, provide assurances to customers that their data are secure, available, and meet processing integrity, confidentiality and privacy requirements. Data centers are the foundation for outsourced IT services, which include hosted and managed-services, and cloud services.

HMS's portfolio of hosted and managed services covers servers, voice and data networks, Microsoft Exchange environments, storage, and service desk capabilities on equipment located both within HMS data centers and at customer locations. HMS also has significant expertise in Hosted Application Management, particularly enterprise resource planning ("ERP") systems from vendors such as Oracle, Microsoft and Infor. These systems can be hosted in HMS data centers, on customer premise or on top of the HMS cloud computing infrastructure.

HMS's cloud services offering, branded ReliaCloud, is an Infrastructure as a Service solution designed to run traditional business applications in a secure and compliant operational framework within a cloud environment. ReliaCloud is a complete, enterprise-class cloud solution that handles scalability and high performance data management for use in public, private, and hybrid cloud configurations. The compliant-capable cloud solution is designed for resource intense applications and databases that require a secure operational framework, while enabling customers to meet regulatory compliance requirements.

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HMS's solutions provider services include planning, engineering, procurement, sales, installation, and management of IT infrastructure solutions from world-class Original Equipment Manufacturers ("OEMs"). The breadth and depth of technical certifications held by team members have allowed HMS to achieve the highest levels of partner status with Cisco Systems, Hewlett-Packard Company, EMC, VMware and Microsoft.

## **HMS Strategy**

The goal of HMS is to create, deliver and support a platform of IT products and services tailored for mid-sized business customers. These businesses typically are not mature outsourcers of their IT management and represent a relatively untapped market seeking a superior provider relationship with outcome based pricing. By combining a solutions provider's status as trusted IT advisor with data center assets and an expansive product set, HMS intends to build a growing relationship between the provider and customer. Furthermore, cloud computing presents an opportunity for growth as it is a transformational tool that is changing the way businesses buy computing power and IT services. HMS is positioning itself to grow by building sophisticated sales teams, strong customer service delivery, extensive engineering talent, and deep ties to vendors to partner with customers to reduce their risk profiles and create cost savings.

A highly sophisticated sales force is critical to success in the hosted and managed services marketplace. With the complexity of the sales process and the high level interactions necessary to win customer orders, highly sophisticated account executives, sales engineers and support staff are needed to gain the trust of customers looking to outsource IT functions. HMS continues to enhance its sales capabilities to be able to deliver products and services in all HMS product categories in all of its markets. HMS has established a support organization capable of meeting mid-market customer demands for enhanced product offerings. HMS has put in place an integrated, scalable, service delivery platform intended to exceed the quality commitments made to customers.

## **HMS Customers**

HMS's customers span multiple industries including healthcare, financial, manufacturing, retail, and government and are located across the United States. Regional presences encompass states in the Upper Midwest and Great Plains and states in the Rocky Mountains and Southwest, and are key to establishing the locally-known trusted advisor brands middle market companies recognize. HMS primarily targets middle market companies that are between 200 and 2,000 employees in size.

## **HMS Competition**

The IT services market is large and complex, with a diverse array of segments in which performance and market dynamics vary considerably. As a result of these dynamics the IT services market is a highly competitive environment. Market competitors include large diversified telecommunications and technology companies that primarily target Fortune 500 sized companies as well as smaller independent companies that provide selective fixed services for mid-sized business customers. HMS has positioned itself to not compete head-to-head with these providers, rather seeks to fill the gap between large business process outsourcers and fragmented IT service providers. However, new entrants may emerge and grow rapidly creating additional sources of competition.

## **HMS Regulation**

HMS is subject to varying degrees of regulation in each of the jurisdictions in which it operates. Federal, state and local laws and regulations, and their interpretation and enforcement may be applicable and may differ significantly among those jurisdictions. These regulations and laws may cover taxation, privacy, data protection, copyrights and other intellectual property, electronic communications and regulations applicable to electronic products and services. Many of these laws were adopted with respect to business matters other than and prior to the development of hosted and managed services and related technologies and, as a result, do not contemplate or address the unique issues that such services and technologies produce. Some of the laws that do reference such services and technologies have been and continue to be interpreted by the courts, but their applicability and scope remain uncertain in many respects. In addition, future regulatory, judicial, and legislative changes may restrict or otherwise have an adverse effect on our ability to deliver services within various jurisdictions. Increased regulation in the area of data privacy and protection is expected, and laws and regulations applying to the solicitation, collection, processing, protection or use of information could restrict the ability to use and share data, or inhibit customers from using hosted and managed services. These regulations may involve significant compliance costs, require changes in business practices or have adverse consequences on the HMS business, financial condition or results of operation in the event of noncompliance. At the present time, TDS Telecom believes it is in material compliance with these requirements.

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**TDS—Other Items**

**Employees**

TDS had approximately 10,500 full-time and part-time employees as of December 31, 2013, less than 1% of whom were represented by labor organizations. TDS considers its relationship with its employees to be good.

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**Item 1A. Risk Factors**

**PRIVATE SECURITIES LITIGATION REFORM ACT OF 1995**

**SAFE HARBOR CAUTIONARY STATEMENT**

This Annual Report on Form 10-K, including exhibits, contains statements that are not based on historical facts and represent forward-looking statements, as this term is defined in the Private Securities Litigation Reform Act of 1995. All statements, other than statements of historical facts, that address activities, events or developments that TDS intends, expects, projects, believes, estimates, plans or anticipates will or may occur in the future are forward-looking statements. The words “believes,” “anticipates,” “estimates,” “expects,” “plans,” “intends,” “projects” and similar expressions intended to identify these forward-looking statements, but are not the exclusive means of identifying them. Such forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause actual results, events or developments to be significantly different from any future results, events or developments expressed or implied by such forward-looking statements. Such risks, uncertainties and other factors include those set forth below under “Risk Factors” in this Form 10-K. Each of the following risks could have a material adverse effect on TDS; however, such factors are not necessarily all of the important factors that could cause actual results, performance or achievements to differ materially from those expressed in, or implied by, the forward-looking statements contained in this document. Other unknown or unpredictable factors also could have material adverse effects on future results, performance or achievements. TDS undertakes no obligation to update publicly any forward-looking statements whether as a result of new information, future events or otherwise. You should carefully consider the following risk factors and other information contained in, or incorporated by reference into, this Form 10-K to understand the material risks relating to TDS’ business.

**RISK FACTORS**

- 1) Intense competition in the markets in which TDS operates could adversely affect TDS’ revenues or increase its costs to compete.**



Competition in the telecommunications industry is currently intense and could intensify further in the future due to the general effects of the economy, as well as due to multiple wireless industry factors such as increasing market penetration, decreasing customer churn rates, introduction of new products, new competitors and changing prices. There is competition in handsets and other devices; network quality, coverage, speed and technologies; distribution; pricing; and other categories. TDS' ability to compete effectively will depend, in part, on its ability to anticipate and respond to various competitive factors affecting the telecommunications industry. TDS anticipates that, in the future, competition may cause the prices for products and services to continue to decline and the costs to compete to increase. Most of TDS' competitors are national or global telecommunications companies that are larger than TDS, possess greater resources, possess more extensive coverage areas and more spectrum within their coverage areas, and market other services with their communications services that TDS does not offer. In addition, TDS may face competition from technologies that may be introduced in the future or from new entrants into the industry. New technologies, services and products that are more commercially effective than the technologies, services and products offered by TDS may be developed. Further, new technologies may be proprietary such that TDS is not able to adopt such technologies. There can be no assurance that TDS will be able to compete successfully in this environment.

Sources of competition to TDS' wireless business typically include three to five competing wireless telecommunications service providers in each market, wireline telecommunications service providers, cable companies, resellers (including mobile virtual network operators), and providers of other alternate telecommunications services. Many of TDS' wireless competitors and other competitors have substantially greater financial, technical, marketing, sales, purchasing and distribution resources than TDS.

TDS' competitors offer a wide array of wireless service offerings and wireless devices. There is increasing complexity associated with these wireless product and service offerings and the related pricing. Further, new wireless services and products and pricing structures are frequently introduced. Multiple events related to new services, products and pricing offered by TDS' competitors occurring simultaneously or in close proximity may impact TDS' ability to respond to such events and compete effectively.

Sources of competition to TDS' Wireline business include, but are not limited to, resellers of local exchange services, interexchange carriers, Regional Bell Operating Companies ("RBOCs"), satellite transmission service providers, wireless communications providers, cable companies, competitive access service providers, competitive local exchange carriers, VoIP providers and providers using other emerging technologies. The Wireline CLEC business sources of competition include the sources identified above as well as the ILEC in each market, which enjoys competitive advantages, including its wireline connection to virtually all of the customers and potential customers of Wireline's CLEC business, its established brand name and its substantial financial resources. Wireline's CLEC business is typically required to discount services to win potential customers. In the future, TDS expects the number of its physical access lines served to continue to be adversely affected by wireless and broadband substitution and by cable company competition.

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Some of the specific risks presented by certain Wireline competitors include:

- Cable companies – continued deployment of technologies such as DOCSIS 3.0 that substantially increase data transfer speeds, and offering these speeds to customers at relatively low rates, including speed upgrades for no additional charge.
- Wireless – the trend of customers “substituting” their wireline connection for a wireless device.
- RBOCs – continue to be formidable competitors given their full suite of services, experience and strong financial resources.
- VoIP providers – are able to offer voice service at a very low price point.

TDS’ Cable business also provides high-speed internet and digital voice services, as well as cable television service. With respect to internet and voice services, Cable’s business faces sources of competition similar to the wireline business. With respect to cable television service, cable operators compete against broadcast television, direct broadcast satellite providers, on-line video services and may compete against wireline providers which have begun to upgrade their networks to provide video services in addition to voice and high-speed internet access services. As a result, the cable business is highly competitive.

Sources of competition of HMS’s business primarily include large diversified telecommunications and technology companies, as well as smaller independent companies that focus on mid-market companies. In addition, new entrants may emerge and grow rapidly creating additional sources of competition or companies may begin insourcing IT services. The IT services market is large and complex, with a diverse array of segments in which performance and market dynamics vary considerably. As a result of these dynamics the IT services market is a highly competitive environment.

If TDS does not adapt to compete effectively in such a highly competitive environment, such competitive factors could result in product, service, pricing or cost disadvantages and could have an adverse effect on TDS’ business, financial condition or results of operations.

**2) A failure by TDS to successfully execute its business strategy (including planned acquisitions, divestitures and exchanges) or allocate resources or capital could have an adverse effect on TDS’ business, financial condition or results of operations.**

U.S. Cellular is a regional wireless carrier that operates on a customer satisfaction strategy, seeking to meet customer needs by providing a comprehensive range of wireless products and services, excellent customer support, and a high-quality network. U.S. Cellular seeks to operate controlling interests in wireless licenses in areas adjacent to or in proximity to its other wireless licenses, thereby building contiguous operating market areas. U.S. Cellular relies on roaming agreements with other carriers to provide roaming capability to its customers in areas of the U.S. outside its service areas and to improve coverage within selected areas of U.S. Cellular's network footprint. U.S. Cellular pursues a product and technology strategy which requires it to recognize product and technology advances and quickly adopt and execute rollouts of such advances. This strategy requires U.S. Cellular to make timely and effective strategic decisions related to technological advances and related products and services, and which of these technological advances to adopt and roll out to its customers.

Further, U.S. Cellular's strategic decisions related to the adoption of new technologies are ultimately impacted by such factors as consumer preferences for technologies and the related services and products, and original equipment manufacturer ("OEM") and standard bodies support of such technologies, including Long-Term Evolution ("LTE") and Voice over LTE ("VoLTE"), among other factors. If U.S. Cellular's competitors adopt new technologies faster than U.S. Cellular, then consumers who are eager to adopt new technologies more quickly may select U.S. Cellular's competitors rather than U.S. Cellular as their service provider. These customers who are early adopters of new technologies are often customers who generate higher average revenue per unit ("ARPU"), and to the extent that U.S. Cellular does not attract these types of customers, U.S. Cellular could be at a competitive disadvantage and have a customer base that generates lower overall ARPU relative to its competition.

Wireline's business seeks to be the preferred telecommunications solutions provider in its chosen markets for both residential and commercial customers by developing and delivering high-quality products that meet or exceed customers' needs and to outperform the competition by maintaining superior customer service. Wireline's residential customer strategy is to provide voice, high-speed data, and video services through value-added bundling of products. The commercial focus is to provide advanced IP-based voice and data services, as well as information technology solutions. Wireline is actively investing in the continuing transformation of its networks as it works to deploy advanced technologies and new services. Wireline seeks to capitalize on its strong local presence and strives to champion economic development in its communities by actively advocating with respect to state and federal regulatory frameworks that would enable its operations to grow profitably and continue to meet customer expectations for new and improved services.

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Cable's business provides high-speed internet, digital voice services and television services. Although similar to Wireline, the strategies for Cable involve different technical, regulatory, business and other factors and TDS has limited experience in operating cable companies. In particular, Cable's business has significant costs and risks relating to programming and retransmission. Such costs have been increasing and Cable's business may not be able to fully pass these costs onto customers. In addition, Cable's business is limited in its ability to obtain programming at favorable costs and terms due to its small scale. Also, Cable's business may be affected by a wide range of regulatory or other issues, including matters pertaining to set-top boxes, equipment connectivity, content regulation, closed captioning, pole attachments, privacy, copyright, technical standards, and municipal entry into video and broadband. Cable's business development strategy also includes evaluating opportunities for possible further acquisitions of desirable cable companies on attractive terms to increase the scale of Cable's business. There can be no assurance that TDS will be successful in its Cable business strategy.

HMS's business development strategy is to increase its presence in the IT infrastructure and application outsourcing and solution provider market through organic growth, expansion or acquisition. HMS's service platform with coverage across all of its product categories provides the potential for expansion of current products and services to additional markets in or near HMS's current footprint. HMS may continue to make opportunistic acquisitions of companies that further strengthen its operating market areas and enter additional attractive markets.

The successful execution of strategies, the optimal allocation within TDS' portfolio of assets and optimal capital allocation decisions depend on various internal and external factors, many of which are not in TDS' control. TDS' ability to implement and execute its business strategies and optimally allocate its assets and capital and, as a result, achieve desired financial results, could be affected by such factors. Such factors include pricing practices by competitors, relative scale, purchasing power, roaming and other strategic agreements, wireless device availability, timing of introduction of wireless devices and other factors. In addition, there is no assurance that U.S. Cellular's or TDS Telecom's strategies will be successful. Even if TDS executes its business strategies as intended, such strategies may not be successful in the long term to profitably sustain growth in revenues or otherwise.

A failure by TDS to execute its business strategies successfully or to allocate resources or capital optimally could have an adverse effect on TDS' businesses, financial condition or results of operations.

**3) A failure by TDS' service offerings to meet customer expectations could limit TDS' ability to attract and retain customers and could have an adverse effect on TDS' business, financial condition or results of operations.**



Customer acceptance of the telecommunications and IT services that TDS offers is and will continue to be affected by technology and the range of device and service-based differences from competition and by the operational performance, quality, reliability, and coverage of TDS' networks. TDS may have difficulty attracting and retaining customers if it is unable to meet customer expectations for a range of services, such as wireless device selection by U.S. Cellular and easy access to a broad variety of applications, or if it is otherwise unable to resolve quality issues relating to its networks, billing systems, or customer care. Any of these issues may limit TDS' ability to expand its network capacity or customer base, or otherwise place TDS at a competitive disadvantage to other service providers in its markets. The levels of customer demand for any TDS next-generation services and products are uncertain.

Customer demand could be impacted by differences in the types of services offered, service content, technology, footprint and service areas, network quality, customer perceptions, customer care levels and rate plans.

In the third quarter of 2013, U.S. Cellular migrated most of its customers to a new Billing and Operational Support System ("B/OSS") which includes a new point-of-sale system and consolidates billing on one platform. This conversion resulted in billing delays. In addition, intermittent system outages and delayed system response times negatively impacted customer service and sales operations at certain times. Continuing operational problems associated with the conversion to the new billing system could have adverse effects on TDS' business (in areas such as overall customer satisfaction, customer attrition, uncollectible accounts receivable, gross customer additions, or operating expenses), financial condition or results of operations.

**4) TDS' system infrastructure may not be capable of supporting changes in technologies and services expected by customers, which could result in lost customers and revenues.**

The telecommunications industry and IT services industry are experiencing significant changes in technologies and services expected by customers. Future technological changes or advancements may enable other technologies to equal or exceed TDS' current levels of service and render its system infrastructure obsolete. New technologies or services often render existing technology products, services or infrastructure obsolete, too costly or otherwise unmarketable. TDS' system infrastructure may not be able to accommodate new product features and functionality, new reporting requirements, new capacity requirements or deployment of complex next generation services. If TDS is unable to meet future advances in or changes in competing technologies on a timely basis, or at an acceptable cost, it may not be able to compete effectively with other carriers, which could result in lost customers and revenues. This could have an adverse effect on TDS' business, financial condition or results of operations.



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**5) Changes in roaming practices or other factors could cause TDS' roaming revenues to decline from current levels and/or impact TDS' ability to service its customers in geographic areas where TDS does not have its own network, which would have an adverse effect on TDS' business, financial condition or results of operations.**



TDS' revenues include roaming revenues related to the use of TDS' network by other wireless carriers' customers who travel within TDS' coverage areas. Changes in the network footprints of carriers due to mergers, acquisitions or network expansions could have an adverse effect on TDS' roaming revenues. For example, consolidation among other carriers which have network footprints that currently overlap TDS' network could decrease the amount of roaming revenues for TDS.

Similarly, TDS' wireless customers can access another carrier's digital system automatically only if the other carrier allows TDS' customers to roam on its network. TDS relies on roaming agreements with other carriers to provide roaming capability to its customers in areas of the U.S., Mexico and Canada outside of its service areas and to improve coverage within selected areas of TDS' network footprint. Such agreements cover traditional voice services as well as data services. Although TDS currently has long-term roaming agreements with certain other carriers, these agreements generally are subject to renewal and termination if certain events occur. FCC rules and orders impose certain requirements on wireless carriers to offer certain roaming arrangements to other carriers. However, carriers frequently disagree on what is required. At this time, there is no assurance that TDS will be able to enter into agreements to provide roaming services using 4G LTE or other technologies or that it will be able to do so on reasonable or cost effective terms.

Some competitors may be able to obtain lower roaming rates than TDS is able to obtain because they have larger call volumes or may be able to reduce roaming charges by providing service principally over their own networks. In addition, the quality of service that a wireless carrier delivers during a roaming call may be inferior to the quality of service TDS provides, the price of a roaming call may not be competitive with prices of other wireless carriers for such call, and TDS' customers may not be able to use some of the advanced features, such as voicemail notification or data applications, that TDS customers enjoy when making calls on TDS' network. TDS' rate of adoption of new technologies, such as those enabling high-speed data services, could affect its ability to enter into or maintain roaming agreements with other carriers. In addition, TDS' wireless technology may not be compatible with technologies used by other carriers, which may limit the ability of TDS to enter into voice or data roaming agreements with such other carriers. TDS' roaming partners could switch their business to new operators or, over time, to their own networks. Changes in roaming usage patterns, rates for roaming minutes or data usage or relationships with carriers whose customers generate roaming minutes or data use on TDS' network could have an adverse effect on TDS' revenues and revenue growth.

To the extent that TDS' key roaming partners expand their networks in TDS' service areas, the roaming arrangements between TDS and these key roaming partners could become less strategic to such key roaming partners. That is, these key roaming partners will have fewer or less extensive geographic areas where roaming services are required by their customers and, as a result, the roaming arrangements could become less critical to serving their customer base. This presents a risk to TDS in that, to the extent TDS is not able to enter into economically viable roaming arrangements with key roaming partners, this could impact TDS' ability to service its customers in geographic areas where TDS does not have its own network.

If TDS' roaming revenues decline, or if TDS is unable to obtain or maintain roaming agreements with other wireless carriers that contain pricing and other terms that are competitive and acceptable to TDS, and that satisfy TDS' quality and interoperability requirements, its business, financial condition or results of operations could be adversely affected.

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**6) A failure by TDS to obtain access to adequate radio spectrum to meet current or anticipated future needs and/or to accurately predict future needs for radio spectrum could have an adverse effect on TDS' business, financial condition or results of operations.**

TDS' wireless business depends on the ability to use portions of the radio spectrum licensed by the FCC. TDS could fail to obtain access to sufficient spectrum capacity in new or existing critical markets, whether through FCC auctions or other transactions, in order to meet the anticipated spectrum requirements associated with increased demand for existing services, especially increases in customer demand for data services, and to enable deployment of next-generation services. TDS believes that this increased demand for data services reflects a trend that will continue for the foreseeable future; as such, TDS could fail to accurately forecast its future spectrum requirements considering changes in customer usage patterns, technology requirements and the expanded demands of new services. Such a failure could have an adverse impact on the quality of TDS' services or TDS' ability to roll out such future services in some markets, or could require that TDS curtail existing services in order to make spectrum available for next-generation services. Spectrum constrained providers could be effectively capped in increasing market share. As spectrum constrained providers gain customers, they use up their network capacity. Since they lack spectrum, they can respond to demand only by adding cell sites, which is capital intensive, limited by zoning considerations, and ultimately may not be cost effective. TDS may acquire access to spectrum through a number of alternatives, including participation in spectrum auctions, partnering on a non-controlling basis with other auction applicants ("Other Applicants") and other acquisitions and exchanges. As required by law, the FCC has conducted auctions for licenses to use some parts of the radio spectrum. The decision to conduct auctions, and the determination of what spectrum frequencies will be made available for auction and the determination of geographic size of licenses, are made by the FCC pursuant to laws that they administer. The FCC may not be able to allocate spectrum sufficient to meet the demands of all those wishing to obtain licenses for new market entry or to expand their spectrum holdings to meet the expanding demand for data services or to address other spectrum constraints. Due to factors such as geographic size of licenses and auction bidders that may raise prices beyond acceptable levels, TDS or Other Applicants may not be successful in FCC auctions in obtaining the spectrum that either believes is necessary to implement its business and technology strategies. In addition, newly auctioned spectrum may not be compatible with existing spectrum, and vendors may not create suitable products to use such spectrum. Further, access to use spectrum won in FCC auctions may not be available on a timely basis. Such access is dependent upon the FCC actually granting licenses won in the various auctions, which can be delayed for various reasons, including the possible need for the FCC to transition current users of spectrum to other portions of the radio spectrum. TDS also may seek to acquire radio spectrum through purchases and exchanges with other spectrum licensees. However, TDS may not be able to acquire sufficient spectrum through these types of transactions, and TDS may not be able to complete any of these transactions on favorable terms.

**7) To the extent conducted by the Federal Communications Commission ("FCC"), TDS is likely to participate in FCC auctions of additional spectrum in the future as an applicant or as a noncontrolling partner in another auction applicant and, during certain periods, will be subject to the FCC's anti-collusion rules, which could have an adverse effect on TDS.**

From time to time, the FCC conducts auctions through which additional spectrum is made available for the provision of wireless services. TDS has participated in such auctions in the past and is likely to participate in other auctions

conducted by the FCC in the future as an applicant or as a non-controlling partner in another auction applicant. FCC anti-collusion rules place certain restrictions on business communications and disclosures by participants in an FCC auction. These anti-collusion rules may restrict the normal conduct of TDS' business and/or disclosures by TDS relating to an FCC auction, which could last three to six months or more. The restrictions could have an adverse effect on TDS' business, financial condition or results of operations.

**8) Changes in the regulatory environment or a failure by TDS to timely or fully comply with any applicable regulatory requirements could adversely affect TDS' business, financial condition or results of operations.**



TDS' operations are subject to varying degrees of regulation by the FCC, state public utility commissions and other federal, state and local regulatory agencies and legislative bodies. Adverse decisions or increased regulation by these regulatory bodies could negatively impact TDS' operations by, among other things, increasing TDS' costs of doing business, permitting greater competition or limiting TDS' ability to engage in certain sales or marketing activities. New regulatory mandates or enforcement may require unexpected or changed capital investment, lost revenues, changes in operations or other changes.

TDS' wireless business requires licenses granted by the FCC to provide wireless telecommunications services. Typically, such licenses are issued for an initial ten-year term and may be renewed for additional ten-year terms, subject to FCC approval of the renewal applications. Failure to comply with FCC requirements in a given service area could result in the revocation of TDS' license for that area or in the imposition of fines. Court decisions and rulemakings could have a substantial impact on TDS' wireless operations, including rulemakings on intercarrier access compensation and universal service. Litigation and different objectives among federal and state regulators could create uncertainty and delay TDS' ability to respond to new regulations. TDS is unable to predict the future actions of the various regulatory bodies that govern TDS, but such actions could have adverse effects on TDS' wireless business.



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TDS' Wireline operations are subject to varying degrees of regulation by the FCC, state public utility commissions and other federal, state and local regulatory agencies and legislative bodies. Adverse decisions or increased regulation by these regulatory bodies could negatively impact TDS' operations by, among other things, increasing TDS' costs of doing business, permitting greater competition or limiting TDS' ability to engage in certain sales or marketing activities. TDS is unable to predict the future actions of the various regulatory bodies that govern TDS, but such actions could have adverse effects on TDS' Wireline business.

TDS' ILECs have been granted permission to operate by each of the states in which they operate. TDS is subject to regulation from the regulatory commissions in each of these states as well as from the FCC. State regulatory commissions have primary jurisdiction over local and intrastate rates that TDS charges customers, including, without limitation, other telecommunications companies, and service quality standards. The FCC has primary jurisdiction over the interstate access rates that TDS charges other telecommunications companies that use TDS' network and other issues related to interstate service. TDS receives a substantial amount of its ILEC revenues from interexchange carriers for providing access to its network and from compensation from the USF and other support funds. Future revenues, costs, and capital investment in TDS' Wireline business could be adversely affected by material changes to these regulations including but not limited to changes in intercarrier compensation, state and federal universal service support, and the treatment of VoIP traffic.

Although TDS' CLECs are not subject to regulatory review in the same way as the ILECs, the viability of their business model depends on FCC and state regulations. Court decisions and regulatory developments relating to unbundled network elements ("UNEs") and access and transport options could negatively affect the CLEC's ability to obtain access to certain local networks or to provide broadband services to end users and/or could increase the CLEC's cost of providing some services. As a result of certain court decisions and regulatory developments, TDS has phased-out most of its CLEC operations that relied on an unbundled network element-platform provided by incumbent carriers. Moreover, the further loss of some access and transport options as a result of future developments would be unfavorable for TDS' CLEC operations and could negatively affect their ability to provide broadband services to end users.

In March 2010, the FCC released its National Broadband Plan (the "Plan") which describes the FCC's goals for enhancing broadband availability and the methods for achieving those goals over the next decade. The FCC notes that about one-half of the Plan will be addressed by the FCC, while the remainder would be addressed by Congress, the Executive Branch and state and local governments working closely with private and non-profit sectors. TDS cannot predict the outcome of these deliberations or what effects any final rules, regulations or laws may have on its ability to compete in the provision of wireline and wireless broadband services to its customer base. Changes in regulation or the amount or distribution of USF funds to U.S. Cellular, TDS Telecom and other telecommunications service providers could impact competition in certain of U.S. Cellular's and TDS Telecom's service areas, and could have an adverse effect on TDS' business, financial condition or results of operations.

In 2009, the FCC initiated a rulemaking proceeding designed to codify its existing "Net Neutrality" principles and impose new requirements that could have the effect of restricting the ability of internet service providers to manage

applications and content that traverse their networks. In December 2010, after a lengthy proceeding, which considered different approaches, including the “reclassification” of internet access as “common carrier” service under Title II of the Communications Act, the FCC adopted a net neutrality rule based on its Title I “ancillary” authority to enforce different parts of the Communications Act, which rule is now in effect. The rule requires all providers of broadband internet access, including both fixed (that is, telephone and cable) and wireless providers, to publicly disclose accurate information regarding their network management practices, performance and commercial terms sufficient for consumers to make informed choices regarding the use of such services. The rule also prohibits all internet providers from blocking consumers’ access to lawful websites, subject to reasonable network management, and from blocking applications that compete with the provider’s voice or video telephony services, also subject to reasonable network management. The rule subjects the providers of fixed but not wireless broadband internet access to a prohibition on “unreasonable discrimination” in transmitting internet traffic over their networks, also subject to reasonable network management. The exemption of wireless providers from this part of the rule reflects a recognition of the capacity constraints and other “special conditions” under which mobile broadband service is offered and the competitive nature of evolving wireless networks. Thus, the FCC considered it appropriate in 2009 to take only the “measured steps” with respect to mobile broadband service reflected in the rule. The order is controversial and has been challenged in the courts. On January 14, 2014, a three judge panel of the US Court of Appeals for the District of Columbia Circuit vacated the “anti-blocking” and “anti-discrimination” portions of the FCC’s net neutrality rules, leaving in place the disclosure requirements of the rules. In a public statement made on February 19, 2014, the Chairman of the FCC indicated that the agency does not plan to appeal the Court’s decision, but will consider ways to achieve its policy goals with respect to the “anti-blocking” and “anti-discrimination” provisions within the authority allowed by the Court’s decision, in particular authority granted under Section 706 of the Telecommunications Act of 1996. The Chairman proposed a new rulemaking proceeding to advance that process with a Notice of Proposed Rulemaking anticipated later this year. TDS cannot predict the outcome of this proceeding.

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TDS' Cable business also provides high-speed internet and digital voice services, as well as cable television service. Regulatory risks relating to the Internet are substantially the same for cable and wireline telephone companies. With respect to voice services, Cable's business provides such services only through VoIP as opposed to traditional circuit-switched voice service. Although VoIP services may not be subject to the same degree of FCC or state regulation as traditional circuit-switched voice services, there is no assurance that the FCC and/or state regulatory authorities will not determine to subject VoIP services to a greater degree of regulations in the future. With respect to cable television service, Cable's business is also subject to regulation by the FCC as a cable multiple systems operator ("MSO"). In addition, the operation of cable systems requires the MSO to obtain franchises from state or local governmental authorities to occupy public rights of way with network facilities. These franchises typically are nonexclusive and limited in time (subject to renewal), contain various conditions and limitations, and provide for the payment of fees to the local authority. Additionally, these franchises often regulate the conditions of service and technical performance and contain various types of restrictions on transferability. Failure to comply with the terms and conditions of a franchise may give rise to rights of termination by the franchising authority.

HMS is subject to varying degrees of regulation in each of the jurisdictions in which it operates. Federal, state, and local laws and regulations and their interpretation and enforcement may be applicable and may differ significantly among those jurisdictions. These regulations and laws may cover taxation, privacy, data protection, copyrights and other intellectual property, electronic communications and regulations applicable to electronic products and services. These laws can be costly to comply with, can be a significant diversion to management's time and effort, and can subject TDS to claims or other remedies, as well as negative publicity. Many of these laws were adopted prior to technological developments in the IT services industry and, as a result, do not contemplate or address the unique issues that such industry and related technologies produce. Some of the laws that do reference such industry and related technologies have been and continue to be interpreted by the courts, but their applicability and scope remain largely uncertain.

TDS' operations are subject to various federal, state and local environmental and health and safety laws and regulations, including those relating to the generation, storage, handling and disposal of hazardous substances and wastes. TDS' operations involve the use of materials such as petroleum fuel for emergency generators, as well as batteries, cleaning solutions and other materials. Unexpected events, equipment malfunctions and human error, among other factors, can lead to violations of environmental laws, regulations or permits. To the extent that TDS may be responsible under applicable laws, regulations or leases for the removal or cleanup of hazardous substances or wastes from properties that it owns or leases, the cost of such removal or cleanup activities could be substantial.

Fluctuations in the price of power can increase the cost of energy used by TDS' businesses. Federal legislative proposals have been considered that would, if adopted, implement various forms of regulation or taxation to reduce or mitigate greenhouse gas emissions. Some states have also considered or adopted laws intended to limit fuel consumption and/or encourage the use of renewable energy for the same purpose. Regulation of greenhouse gas emissions could increase the costs of electricity or petroleum, and these cost increases could consequently increase TDS' costs for electricity or emergency generator fuels. TDS could be directly subject to taxes, fees or costs, or could indirectly be required to reimburse electricity providers for such costs as a result of such regulation. The impacts of climate change could increase costs of operation due to, for example, higher maintenance and repair costs due to extreme weather events or an increase in energy use in order to maintain the temperature of equipment used in TDS'

operations.

In addition, new or amended regulatory requirements could increase TDS' costs and divert resources from other initiatives.

TDS attempts to timely and fully comply with all regulatory requirements. However, in certain circumstances, TDS may not be able to timely or fully comply with all regulatory requirements due to various factors, including changes to regulatory requirements, limitations in or availability of technology, insufficient time provided for compliance, problems encountered in attempting to comply or other factors. Any failure by TDS to timely or fully comply with any regulatory requirements could adversely affect TDS' financial condition, results of operations or ability to do business.

**9) Changes in Universal Service Fund (“USF”) funding and/or intercarrier compensation could have an adverse impact on TDS’ business, financial condition or results of operations.**

*USF and ICC Reform Order.* On November 18, 2011, pursuant to the Plan and subsequent notices of proposed rulemaking, the FCC released a Report and Order and Further Notice of Proposed Rulemaking (“Reform Order”) adopting reforms of its universal service and intercarrier compensation mechanisms, and proposing further rules to advance reform. The Reform Order substantially revised the USF high cost program and intercarrier compensation regime. The current USF program, which supports voice services, began to be phased out in 2012. As a replacement, the FCC is adopting the Connect America Fund (“CAF”), a new Mobility Fund, and a Remote Area Fund, which will collectively support broadband-capable networks. Mobile wireless carriers such as TDS are eligible to receive funds in both the CAF and the Mobility Fund, although some areas that TDS currently serves may be declared ineligible for support if they are already served, or are subject to certain rights of first refusal by incumbent carriers.

The FCC has determined that both wireline and wireless facilities should be supported, with one wireline carrier and one mobile carrier receiving support in each area.

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For wireline rate of return carriers such as TDS Telecom's Wireline operations, the Reform Order establishes a \$2 billion fund that is intended to maintain existing levels of support in the aggregate while at the same time transitioning support mechanisms so that, over time, rate of return carriers receive support for the deployment of wireline broadband facilities principally through the CAF rather than through the intercarrier compensation regime. To effectuate the first phase of this effort, the Reform Order established benchmarks that limit certain reimbursable capital and operating expenses for determining High Cost Loop Support; reduces High Cost Loop Support on a dollar-for-dollar basis where a carrier's local rates are set below a specified urban local rate floor; phases out safety net additive support; eliminates local switching support; eliminates support for service areas that overlap with the service areas of others; and imposes a \$250 absolute cap on per line support. Although the Reform Order is intended to permit rate of return carriers to recover any lost support through the explicit support mechanism in the CAF, it remains unclear whether the CAF will provide TDS Telecom with the same level of support over time that TDS Telecom receives today.

The Mobility Fund will be implemented in two phases. The Phase I Mobility Fund which was implemented in 2012 is designed to provide one-time funding through a reverse auction to fill in coverage in "dead zones" that currently lack 3G wireless service. In Phase I, \$300 million was allocated throughout the country and an additional \$50 million was set aside for tribal lands. The Phase II Mobility Fund will have a budget of up to \$500 million per year (up to \$100 million of which is reserved for tribal lands), with the method of disbursement to be determined in a further NPRM. Phase II funding will be provided to areas that lack "4G" wireless service. The CAF will support service to homes, businesses, and anchor institutions, using any technology that can meet the technical requirements.

The terms and rules for participating in the CAF for wireless ETCs have not been developed yet by the FCC. It is uncertain whether TDS will obtain support through the CAF or Phase II of the Mobility Fund. If TDS is successful in obtaining support, it will be required to meet certain regulatory conditions to obtain and retain the right to receive support including, for example, allowing other carriers to colocate on TDS' towers, allowing voice and data roaming on U.S. Cellular's network, and submitting various reports and certifications to retain eligibility each year. It is possible that additional regulatory requirements will be imposed pursuant to the FCC's Reform Order.

TDS' current ETC support is being phased down at the rate of 20% per year beginning July 1, 2012. If the Phase II Mobility Fund is not operational by July 2014, the phase down will halt at that time and TDS will continue to receive 60% of its baseline support until the Phase II Mobility Fund is operational.

With respect to intercarrier compensation, the Reform Order provides for a reduction in the charges that TDS pays to wireline phone companies to transport and terminate calls that originate on TDS' network, which will reduce TDS' operating expenses. However, TDS also receives revenue from other carriers to transport and terminate calls that originate on those carriers' networks. As a general matter, the amount and timeframe for these reductions will depend on the nature of the traffic at issue. In some cases, such as with the exchange of traffic between wireline and wireless providers, the reduction is scheduled to occur quickly, whereas in other cases, such as with the exchange of traffic between wireline rate of return carriers, the reduction is scheduled to occur over a period of time. The fundamental goal of the Reform Order is to, over time, transition all intercarrier compensation to a default "bill and keep" arrangement so that, in the absence of some commercial arrangement, support for the deployment of broadband services is based solely on funds received from the CAF. As reductions in intercarrier charges are to increase over the next five to ten years, TDS' related revenues and operating expenses are expected to decline. The Reform Order was accompanied by a Further Notice of Proposed Rulemaking seeking comment on a range of additional proposals. Any

future rulemaking that results from these proposals could be important to TDS Telecom, as a number of the proposals are relevant to rate of return carriers, such as TDS Telecom.

The FCC's Reform Order, and any subsequent orders it adopts to reform universal service and intercarrier compensation, are subject to judicial review. Multiple appeals of the Reform Order were consolidated and argued in the U.S. Court of Appeals for the 10<sup>th</sup> Circuit on November 19, 2013, with a decision anticipated in 2014. At this time, TDS cannot predict the timing or outcome of any such decision, or whether such decision or any future rulemaking, reconsideration and legal challenges would result in a material adverse effect on TDS' business, financial condition or results of operations.

TDS also cannot predict the net effect of the FCC's changes to the USF high cost support program in the Reform Order or whether reductions in support will be fully offset with additional support from the CAF or the Mobility Fund. Accordingly, TDS cannot predict whether such changes will have a material adverse effect on TDS' business, financial condition or results of operations.

**10) An inability to attract and/or retain highly competent management, technical, sales and other personnel could have an adverse effect on TDS' business, financial condition or results of operations.**



TDS' businesses are highly technical and competition for skilled talent in the telecommunications and IT services industries is aggressive. Due to competition for qualified management, technical, sales and other personnel, there can be no assurance that TDS will be able to continue to attract and/or retain qualified personnel necessary for the development of its business. The loss of the services of existing key personnel as well as the failure to recruit additional qualified personnel in a timely manner could have an adverse effect on TDS' business, financial condition or results of operations.

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**11) TDS' assets are concentrated primarily in the U.S. telecommunications industry. As a result, its results of operations may fluctuate based on factors related primarily to conditions in this industry.**



TDS' assets are concentrated primarily in the U.S. telecommunications industry and the United States. The U.S. telecommunications industry is facing significant change and an uncertain operating environment. Although TDS has diversified into HMS and the cable businesses, TDS' revenue streams continue to be substantially comprised of its two principal businesses, wireless and wireline telecommunications. TDS' focus on the U.S. telecommunications industry, together with its positioning relative to larger competitors with greater resources within the industry, may represent increased risk for investors due to the lack of diversification. This could have an adverse effect on TDS' ability to profitably sustain long-term revenue growth and could have an adverse effect on its business, financial condition or results of operations.

**12) TDS' lower scale relative to larger competitors could adversely affect its business, financial condition or results of operations.**



There has been a trend in the telecommunications, IT services and related industries in recent years towards consolidation of service providers through acquisitions, reorganizations and joint ventures. This trend could continue, leading to larger competitors over time. TDS has lower scale efficiencies compared to larger competitors. TDS may be unable to compete successfully with larger companies that have substantially greater financial, technical, marketing, sales, purchasing and distribution resources or that offer more services than TDS, which could adversely affect TDS' revenues and costs of doing business. Specifically, TDS' smaller scale relative to most of its competitors could have the following impacts, among others:

- Increased operating costs due to lack of leverage with vendors;
- Limited opportunities for strategic partnerships as potential partners are focused on wireless, wireline and cable companies with greater scale;
- Limited access to content and programming;
- Limited access to wireless devices;
- Limited ability to influence industry standards;
- Reduced ability to invest in research and development of new products and services;
- Vendors may deem TDS non-strategic and not develop or sell products and services to TDS, particularly where technical requirements differ from those of larger companies;
- Limited access to intellectual property; and
- Other limited opportunities such as for software development, third party distribution, and amortization of fixed costs.

TDS' telecommunications businesses increasingly depend on access to content for data, music or video services and access to new wireless devices being developed by vendors. TDS' ability to obtain such access depends in part on other parties. If TDS is unable to obtain timely access to new content or wireless devices being developed by vendors, its business, financial condition or results of operations could be adversely affected.

As a result of the foregoing, TDS' lower scale relative to larger competitors could adversely affect TDS' business, financial condition or results of operations.

**13) Changes in various business factors could have an adverse effect on TDS' business, financial condition or results of operations.**



Changes in any of several factors could have an adverse effect on TDS' business, financial condition or results of operations. These factors include, but are not limited to:

- Demand for or usage of services, particularly data services;
- Customer preferences, including internet speed and type of wireless devices;
- Customer perceptions of network quality and performance;
- The pricing of services;
- Access to and cost of programming;
- The overall size and growth rate of TDS' customer base;
- Average revenue per customer;
- Penetration rates;
- Churn rates;
- Selling expenses;
- Net customer acquisition and retention costs;
- Customers' ability to pay for services and the potential impact on bad debts expense;
- Roaming agreements and rates;

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- Third-party vendor support;
- The mix of products and services offered by TDS and purchased by customers; and
- The costs of providing products and services.



**14) Advances or changes in technology could render certain technologies used by TDS obsolete, could put TDS at a competitive disadvantage, could reduce TDS' revenues or could increase its costs of doing business.**

The telecommunications and IT services industries are experiencing significant technological change. In the telecommunications industry, this is evidenced by evolving industry standards, ongoing improvements in the capacity and quality of digital technology, shorter development cycles for new services, and products, and enhancements and changes in end-user requirements and preferences. Widespread deployment of new technologies could cause the technology used on TDS' wireless networks and traditional circuit-switched telephone services to become less competitive or obsolete. Also, high speed wireless networks ("wireless broadband") represent a product offering and opportunity for TDS' wireless business, but also represent a risk for TDS' Wireline business as customers may elect to substitute their wireline broadband connection for wireless broadband. Further, fixed-mobile convergence services that combine wireline broadband services with mobile services represent a competitive threat. In addition, the IT services market is characterized by rapidly changing technology and services. TDS may not be able to respond to such changes and implement new technology on a timely or cost-effective basis, which could reduce its revenues or increase its costs of doing business. If TDS cannot keep pace with these technological changes or other changes in the telecommunications or IT services industries over time, its financial condition, results of operations or ability to do business could be adversely affected.

**15) Complexities associated with deploying new technologies present substantial risk.**

Complexities associated with deploying new technologies present substantial risk to TDS' businesses.

TDS' wireless business has selected 4G LTE technology as its approach to address demand for services enabled by fourth generation wireless technology. The deployment of 4G LTE technology is impacted by a number of technical challenges.

Manufacturers of wireless devices ("Original Equipment Manufacturers" or "OEMs") must design and manufacture equipment that operates on the frequency bands available to TDS. This may involve software and hardware support for such bands in wireless device chipsets as well as band-specific designs for components such as filters. OEMs, chipset manufacturers, and component manufacturers will likely prioritize the support of frequency bands that are specified by the largest wireless carriers. Given TDS' smaller scale relative to its competitors, certain bands of spectrum licensed to TDS and its affiliates in certain cases represent a lower priority for chipset and wireless device manufacturers. As a result, the timing and the availability of wireless devices to support TDS' continued 4G LTE roll out could be negatively impacted. In addition, due to TDS' relatively smaller scale, the cost of such equipment could be higher for TDS than for TDS' competitors.

Additionally, the efficiency of LTE networks and the peak speeds they can provide are optimized when the technology is deployed in larger channel bandwidths that, in early releases of LTE, require larger amounts of contiguous spectrum. To the extent that TDS' competitors have access to larger contiguous spectrum positions, they

may be able to offer faster speeds or provision their networks more efficiently. In order for TDS to realize the same LTE data transfer speeds as competitors, it is important that both network infrastructure and device manufacturers support non-contiguous spectrum aggregation features for TDS.

Lack of wireless devices available to TDS to support its 4G LTE network, comparatively smaller spectrum positions for 4G LTE deployments, or carrier aggregation standards that result in TDS delivering slower 4G LTE data transfer speeds relative to its competitors, could have an adverse impact on TDS' business, financial condition and results of operations.

TDS' Wireline business is deploying technologically advanced wireline services including advanced DSL, fiber optic and Very-high-speed digital subscriber line 2 ("VDSL2") technologies. A significant amount of the product development and integration risks are borne by TDS. Further, the simultaneous rollout of these advanced services and technologies increases the execution risk. If TDS fails to effectively deploy new technologies and products on a timely basis, this could have an adverse impact on TDS' business, financial condition and results of operations.

Cable's business is also subject to complexities associated with deploying new technologies and involves substantial risk, including rapid technology changes. If Cable's business does not respond appropriately to technology changes, its competitive position may be adversely affected.

The HMS business is also continuously evaluating and deploying advances in technology relating to IT services. If HMS fails to effectively deploy new technologies and products on a timely basis, this could have an adverse impact on its business, financial condition and results of operations.

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**16) TDS is subject to numerous surcharges and fees from federal, state and local governments, and the applicability and the amount of these fees are subject to great uncertainty.**

Telecommunications providers pay a variety of surcharges and fees on their gross revenues from interstate and intrastate services, including USF fees and common carrier regulatory fees. The division of services between interstate services and intrastate services, including the divisions associated with the federal USF fees, is a matter of interpretation and may in the future be contested by the FCC or state authorities. The FCC also may change in the future the basis on which federal USF fees are charged. The Federal government and many states also apply transaction-based taxes to sales of TDS products and services and to purchases of telecommunications services from various carriers. In addition, state regulators and local governments have imposed and may continue to impose various surcharges, taxes and fees on TDS services. The applicability of these surcharges and fees to its services is uncertain in many cases and jurisdictions may contest whether TDS has assessed and remitted those monies correctly. Periodically state and federal regulators may increase or change the surcharges and fees TDS currently pays. In some instances TDS passes through these charges to its customers. However, Congress, the FCC, state regulatory agencies or state legislatures may limit the ability to pass through transaction-based tax liabilities, regulatory surcharges and regulatory fees imposed on TDS to customers. TDS may or may not be able to recover some or all of those taxes from its customers and the amount of taxes may deter demand for its services or increase its cost to provide service which could have an adverse effect on its business, financial condition or operating results.

**17) Performance under device purchase agreements could have a material adverse impact on TDS' business, financial condition or results of operations.**

In March 2013, U.S. Cellular entered into an agreement with Apple to purchase certain minimum quantities of iPhone products over a three-year period beginning in November 2013. TDS may enter into similar purchase commitments with other vendors in the future. If TDS is unable to sell all of the devices that it is required to purchase under such agreements, or if it is unable to sell them at the prices it projects, its business, financial condition or results of operations could be adversely affected.

**18) Changes in TDS' enterprise value, changes in the market supply or demand for wireless licenses, wireline or cable markets or IT service providers, adverse developments in the businesses or the industries in which TDS is involved and/or other factors could require TDS to recognize impairments in the carrying value of its licenses, goodwill, franchise rights and/or physical assets.**



A large portion of TDS' assets consists of indefinite-lived intangible assets in the form of licenses, goodwill and franchise rights. TDS also has substantial investments in long-lived assets such as property, plant and equipment. TDS reviews its licenses, goodwill, franchise rights and other long-lived assets for impairment annually or whenever events or circumstances indicate that the carrying amount of such assets may not be fully recoverable. An impairment loss may need to be recognized to the extent the carrying value of the assets exceeds the fair value of such assets. The amount of any such impairment loss could be significant and could have an adverse effect on TDS' reported financial results for the period in which the loss is recognized. The estimation of fair values requires assumptions by management about factors that are uncertain including future cash flows, the appropriate discount rate and other factors. Different assumptions for these factors could create materially different results.

**19) Costs, integration problems or other factors associated with acquisitions, divestitures or exchanges of properties or licenses and/or expansion of TDS' businesses could have an adverse effect on TDS' business, financial condition or results of operations.**



As part of TDS' operating strategy, TDS from time to time may be engaged in the acquisition, divestiture or exchange of companies, businesses, strategic properties, wireless spectrum or other assets. TDS may change the markets in which it operates and the services that it provides through such acquisitions, divestitures and/or exchanges. In general, TDS may not disclose the negotiation of such transactions until a definitive agreement has been reached. These transactions commonly involve a number of risks, including:

- Identification of attractive companies, businesses, properties, spectrum or other assets for acquisition or exchange, and/or the selection of TDS' businesses or assets for divestiture or exchange;
- Competition for acquisition targets and the ability to acquire or exchange businesses at reasonable prices;
- Possible lack of buyers for businesses or assets that TDS desires to divest and the ability to divest or exchange such businesses or assets at reasonable prices;
- Ability to negotiate favorable terms and conditions for acquisitions, divestitures and exchanges;
- Significant expenditures associated with acquisitions, divestitures and exchanges;
- Legal and regulatory risks associated with new businesses or markets;
- Ability to enter markets in which TDS has limited or no direct prior experience and competitors have stronger positions;
- Ability to manage businesses that are engaged in activities other than traditional wireline and wireless service, including cable businesses and hosted and managed services businesses;

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- Uncertain revenues and expenses associated with acquisitions, with the result that TDS may not realize the growth in revenues, anticipated cost structure, profitability, or return on investment that it expects;
- Difficulty of integrating the technologies, services, products, operations and personnel of the acquired businesses, or of separating such matters for divested businesses or assets;
- Diversion of management's attention;
- Disruption of ongoing business;
- Impact on TDS' cash and available credit lines for use in financing future growth and working capital needs;
- Inability to retain key personnel;
- Inability to successfully incorporate acquired assets and rights into TDS' service offerings;
- Inability to maintain uniform standards, controls, procedures and policies;
- Possible conditions to approval by the FCC, the Federal Trade Commission and/or the Department of Justice; and
- Impairment of relationships with employees, customers or vendors.

No assurance can be given that TDS will be successful with respect to its acquisition, divestiture or exchange strategies or initiatives. If TDS is not successful with respect to its acquisitions, divestitures or exchanges, its business, financial condition or results of operations could be adversely affected.

**20) A significant portion of TDS' wireless revenues is derived from customers who buy services through independent agents who market TDS' services on a commission basis and third-party national retailers. If TDS' relationships with these agents or third-party national retailers are seriously harmed, its business, financial condition or results of operations could be adversely affected.**



TDS has relationships with agents and third-party national retailers to obtain customers. Agents are independent business people who obtain customers for TDS on a commission basis. TDS' agents and third-party national retailers are generally in the business of selling wireless devices, wireless service packages and other related products.

TDS' business and growth depends, in part, on the maintenance of satisfactory relationships with its agents and third-party national retailers. If such relationships are seriously harmed or if such parties experience financial difficulties, including bankruptcy, TDS' revenues and, as a result, its business, financial condition or results of operations, could be adversely affected.

**21) TDS' investments in unproven technologies may not produce the benefits that TDS expects.**



TDS is making investments in various new technologies and service and product offerings. These investments include technologies for enhanced data service offerings, IPTV, cable and IT services. TDS expects new services, products and solutions based on these new technologies to contribute to future growth in its revenues. However, the markets for some of these services, products and solutions are still emerging and the overall potential for these markets remains uncertain. If customer demand for these new services, products and solutions does not develop as expected, TDS' business, financial condition or results of operations could be adversely affected.

**22) A failure by TDS to complete significant network construction and systems implementation activities as part of its plans to improve the quality, coverage, capabilities and capacity of its networks and support systems could have an adverse effect on its operations.**



TDS' business plan includes significant construction activities and enhancements to its network, support and other systems and infrastructure. In connection therewith, TDS must, among other things, continue to:

- Lease, acquire or otherwise obtain rights to cell and switch sites, data centers relating to IT services or other facilities;
- Obtain zoning variances or other local governmental or third-party approvals or permits for network construction;
- Complete and update the radio frequency design, including cell site design, frequency planning and network optimization, for each of TDS' wireless markets; and
- Improve, expand and maintain customer care, network management, billing and other financial and management systems.

Any difficulties encountered in completing these activities, as well as problems in vendor equipment availability, technical resources, system performance or system adequacy, could delay expansion of operations and product capabilities in new or existing markets or result in increased costs. Failure to successfully build-out and enhance TDS' network, support facilities and other systems and infrastructure in a cost-effective manner, and in a manner that satisfies customer expectations, could have an adverse effect on TDS' business, business prospects, financial condition or results of operations.

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**23) Financial difficulties (including bankruptcy proceedings) or other operational difficulties of TDS' key suppliers, termination or impairment of TDS' relationships with such suppliers, or a failure by TDS to manage its supply chain effectively could result in delays or termination of TDS' receipt of required equipment or services, or could result in excess quantities of required equipment or services, any of which could adversely affect TDS' business, financial condition or results of operations.**

TDS depends upon certain vendors to provide it with equipment, services or content to continue its network construction and upgrade and to operate its business. TDS does not have operational or financial control over such key suppliers and has limited influence with respect to the manner in which these key suppliers conduct their businesses. If these key suppliers experience financial difficulties or file for bankruptcy or experience other operational difficulties, they may be unable to provide equipment, services or content to TDS on a timely basis or cease to provide such equipment, services or content or otherwise fail to honor their obligations to TDS.

Regulations regarding the use of "conflict minerals" mined from the Democratic Republic of Congo and adjoining countries may affect some of TDS' suppliers. These regulations may limit the availability of conflict free minerals and, as a result, TDS may not be able to obtain products in sufficient quantities or at competitive prices from its vendors who utilize such minerals in the manufacture of products.

In such cases, TDS may be unable to maintain and upgrade its network or provide products and services to its customers in a competitive manner, or could suffer other disruptions to its business. In that event, TDS' business, financial condition or results of operations could be adversely affected.

In addition, operation of TDS' supply chain and management of its inventory require accurate forecasting of customer growth and demand, which has become increasingly challenging. If overall demand for wireless devices or the mix of demand for wireless devices is significantly different than TDS' expectations, TDS could face inadequate or excess supplies of particular models of wireless devices. This could result in lost sales opportunities or an excess supply of inventory. Either of these situations could adversely affect TDS' revenues, costs of doing business, results of operations or financial condition.

**24) TDS has significant investments in entities that it does not control. Losses in the value of such investments could have an adverse effect on TDS' financial condition or results of operations.**





TDS has significant investments in entities that it does not control, including a 5.5% ownership interest in the Los Angeles SMSA Limited Partnership (the "LA Partnership") and a limited partnership interest in King Street Wireless L.P. TDS' interests in such entities do not provide TDS with control over the business strategy, financial goals, build-out plans or other operational aspects of these entities. TDS cannot provide assurance that these entities will operate in a manner that will increase the value of TDS' investments, that TDS' proportionate share of income from the LA Partnership and other investments will continue at the current level in the future or that TDS will not incur losses from the holding of such investments. Losses in the values of such investments or a reduction in income from the LA Partnership or other investments could adversely affect TDS' financial condition or results of operations.

**25) A failure by TDS to maintain flexible and capable telecommunication networks or information technology, or a material disruption thereof, including breaches of network or information technology security, could have an adverse effect on TDS' business, financial condition or results of operations.**

TDS relies extensively on its telecommunication networks and information technology to operate and manage its businesses, process transactions and summarize and report results. These networks and technology become obsolete over time and must be upgraded, replaced and/or otherwise enhanced over time. Enhancements must be more flexible and robust than ever before. All of this is capital intensive and challenging. A failure by TDS to maintain flexible and capable telecommunication networks or information technology could have an adverse effect on TDS' business, financial condition or results of operations.

The increased provision of data services including IPTV has introduced significant new demands on TDS' network and has also increased complexities related to network management. As it relates to Wireline's networks, the transition to new IP-based networks from well-established time-division multiplexing networks requires new support tools and technician skills. Further, this transition requires the use of more leased facilities and partnerships which require enhanced network monitoring and controls. The IP-based networks also generally require more electronics on customers' premises which introduces more technical risks and makes diagnostics and repairs more difficult.

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Further, the increased provision of data services on TDS' networks has created an increased level of risk related to quality of service. This is due to the fact that many customers increasingly rely on data communications to execute and validate transactions. As a result, redundancy and geographical diversity of TDS' network facilities are critical to providing uninterrupted service. Also, the speed of repair and maintenance procedures in the event of network interruptions is critical to maintaining customer satisfaction. TDS' ability to maintain high quality, uninterrupted service to its customers is critical, particularly given the increasingly competitive environment and customers' ability to choose other service providers.

In addition, TDS' networks and information technology and the networks and information technology of vendors on which TDS relies are subject to damage or interruption due to various events, including power outages, computer, network and telecommunications failures, computer viruses, security breaches, hackers and other cyber security risks, catastrophic events, natural disasters, errors or unauthorized actions by employees and vendors, flawed conversion of systems, disruptive technologies and technology changes. TDS experiences cyber-attacks of varying degrees on a regular basis. TDS maintains administrative, technical and physical controls, as well as other preventative actions, to reduce the risk of security breaches. Although to date TDS has not experienced a material security breach, these efforts may be insufficient to prevent a security breach stemming from future cyber-attacks. If TDS' or its vendors' networks and information technology are not adequately adapted to changes in technology or are damaged or fail to function properly, and/or if TDS' or its vendors' security is breached or otherwise compromised, TDS could suffer adverse consequences, including theft, destruction or other loss of critical and private data, including customer and/or employee data, interruptions or delays in its operations, inaccurate billings, inaccurate financial reporting, and significant costs to remedy the problems. If TDS' or its vendors' systems become unavailable or suffer a security breach of customer or other data, TDS may be required to expend significant resources and take various actions to address the problems, including notification under data privacy laws and regulations, may be subject to fines, sanctions and litigation, and its reputation and operating results could be adversely affected. Such events may also cause TDS to fail to satisfy service level commitments to customers of its IT services. Any material disruption in TDS' networks or information technology, including security breaches, could have an adverse effect on TDS' business, financial condition or results of operations.

**26) Wars, conflicts, hostilities and/or terrorist attacks or equipment failures, power outages, natural disasters or other events could have an adverse effect on TDS' business, financial condition or results of operations.**



Wars, conflicts, hostilities, terrorist attacks, major equipment failures, power outages, natural disasters, or similar disasters or failures that affect TDS' wireless or wireline telephone switching offices, information systems, microwave links, third-party owned local and long-distance networks on which TDS relies, TDS' cell sites, data centers or other equipment or the networks of other providers and vendors which TDS or its customers use or on which customers roam could have an adverse effect on TDS' operations. Although TDS has certain back-up and similar arrangements, TDS has not established a formal, comprehensive business continuity or emergency response plan at this time. As a result, under certain circumstances, TDS may not be prepared to continue its operations, respond to emergencies or recover from disasters or other similar events. TDS' inability to operate its telecommunications systems or access or operate its information systems even for a limited time period may result in a loss of customers or impair TDS' ability to serve customers or attract new customers, which could have an adverse effect on TDS' business, financial condition or results of operations.

**27) The market price of TDS' Common Shares is subject to fluctuations due to a variety of factors.**



Factors that may affect the future market price of TDS' Common Shares include:

- General economic conditions, including conditions in the credit and financial markets;
- Industry conditions;
- Fluctuations in TDS' quarterly customer additions, churn rate, revenues, results of operations or cash flows;
- Variations between TDS' actual financial and operating results and those expected by analysts and investors;  
and
- Announcements by TDS' competitors.

Any of these or other factors could adversely affect the future market price of TDS' Common Shares, or could cause the future market price of TDS' Common Shares to fluctuate from time to time.

**28) Identification of errors in financial information or disclosures could require amendments to or restatements of financial information or disclosures included in this or prior filings with the Securities and Exchange Commission ("SEC"). Such amendments or restatements and related matters, including resulting delays in filing periodic reports with the SEC, could have an adverse effect on TDS' business, financial condition or results of operations.**





TDS prepares its consolidated financial statement in accordance with accounting principles generally accepted in the United States of America (“GAAP”) and files such financial statements with the SEC in accordance with the SEC’s rules and regulations. The possible identification of any errors in such prior filings with the SEC could require restatements of financial information or amendments to disclosures included in this or prior filings with the SEC.

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Restatements and delays in filing reports with the SEC could have adverse consequences, including the following: TDS' credit ratings could be downgraded, which would result in an increase in its borrowing costs and could make it more difficult for TDS to borrow funds on satisfactory terms. The lenders on TDS' and U.S. Cellular's revolving credit agreements could refuse to waive a default or extend a waiver of default, impose restrictive covenants or conditions or require increased payments and fees. The holders of debt under TDS' indentures could attempt to assert a default and, if successful and TDS does not cure the default in a timely manner, accelerate the repayment date of such debt. The New York Stock Exchange could begin delisting proceedings with respect to the TDS Common Shares and TDS debt that is listed thereon. TDS may not be able to use or file shelf registration statements on Form S-3 for an extended period of time, which may limit TDS' ability to access the capital markets. TDS may not be able to use Form S-8 registration statements relating to its employee benefit plans, which may have an adverse effect on TDS' ability to attract and retain employees. TDS also could face shareholder litigation or SEC enforcement action. Any of these events could have an adverse effect on TDS' business, financial condition or results of operations.

**29) The existence of material weaknesses in the effectiveness of internal control over financial reporting could result in inaccurate financial statements or other disclosures or failure to prevent fraud, which could have an adverse effect on TDS' business, financial condition or results of operations.**

Pursuant to Section 404 of the Sarbanes-Oxley Act of 2002, TDS is required to furnish a report of management's assessment of the design and effectiveness of its internal control over financial reporting as part of its Form 10-K filed with the SEC. TDS management also is required to report on the effectiveness of TDS' disclosure controls and procedures. The independent auditors of TDS are required to attest to, and report on, the effectiveness of internal control over financial reporting. Material weaknesses could result in inaccurate financial statements or other disclosures or failure to prevent fraud, which could have an adverse effect on TDS' business, financial condition or results of operations. Further, if TDS does not successfully remediate any known material weaknesses in a timely manner, it could be subject to sanctions by regulatory authorities such as the SEC, it could fail to timely meet its regulatory reporting obligations, or investor perceptions could be negatively affected; each of these potential consequences could have an adverse effect on TDS' business, financial condition or results of operations.

**30) Changes in facts or circumstances, including new or additional information that affects the calculation of potential liabilities for contingent obligations under guarantees, indemnities, claims, litigation or otherwise, could require TDS to record charges in excess of amounts accrued in the financial statements, if any, which could have an adverse effect on TDS' business, financial condition or results of operations.**



The preparation of financial statements requires TDS to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. TDS bases its estimates on historical experience and on various other assumptions and information that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities. Actual results may differ from estimates under different assumptions or conditions. Changes in facts or circumstances, including new or additional information that affects the calculation of potential liabilities for contingent obligations under guarantees, indemnities, claims, litigation or otherwise, could require TDS to record charges in excess of amounts accrued in the financial statements, if any, which could have an adverse effect on TDS' business, financial condition or results of operations.

**31) Disruption in credit or other financial markets, a deterioration of U.S. or global economic conditions or other events could, among other things, impede TDS' access to or increase the cost of financing its operating and investment activities and/or result in reduced revenues and lower operating income and cash flows, which would have an adverse effect on TDS' business, financial condition or results of operations.**

Disruptions in the credit and financial markets, declines in consumer confidence, increases in unemployment, declines in economic growth and uncertainty about corporate earnings could have a significant negative impact on the U.S. and global financial and credit markets and the overall economy. Such events could have an adverse impact on financial institutions resulting in limited access to capital and credit for many companies. Furthermore, economic uncertainties make it very difficult to accurately forecast and plan future business activities. Changes in economic conditions, changes in financial markets, deterioration in the capital markets or other factors could have an adverse effect on TDS' business, financial condition, revenues, results of operations and cash flows.

**32) Uncertainty of TDS' ability to access capital, deterioration in the capital markets, other changes in market conditions, changes in TDS' credit ratings or other factors could limit or restrict the availability of financing on terms and prices acceptable to TDS, which could require TDS to reduce its construction, development or acquisition programs.**





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TDS and its subsidiaries operate capital-intensive businesses. TDS has used internally-generated funds and has also obtained substantial funds from external sources to finance the build-out and enhancement of markets, to fund acquisitions and for general corporate purposes. TDS also may require substantial additional capital for, among other uses, acquisitions of providers of wireless or wireline telecommunications services, cable markets, IT services or other businesses, spectrum license or system acquisitions, system development and network capacity expansion. There can be no assurance that sufficient funds will continue to be available to TDS or its subsidiaries on terms or at prices acceptable to TDS. Changes in TDS' credit ratings, uncertainty of access to capital for telecommunications companies, deterioration in the capital markets, reduced regulatory capital at banks which in turn limits their ability to borrow and lend, other changes in market conditions or other factors could limit or restrict the availability of financing on terms and prices acceptable to TDS, which could require TDS to reduce its construction, development and acquisition programs. Reduction of TDS' construction, development and acquisition programs likely would have a negative impact on TDS' consolidated revenues, income and cash flows.

**33) Settlements, judgments, restraints on its current or future manner of doing business and/or legal costs resulting from pending and future litigation could have an adverse effect on TDS' business, financial condition or results of operations.**



TDS is regularly involved in a number of legal and policy proceedings before the FCC and various state and federal courts. Such legal and policy proceedings can be complex, costly, protracted and highly disruptive to business operations by diverting the attention and energies of management and other key personnel.

The assessment of legal and policy proceedings is a highly subjective process that requires judgments about future events. Additionally, amounts ultimately received or paid upon settlement or resolution of litigation and other contingencies may differ materially from amounts accrued in the financial statements. Depending on a range of factors, these or similar proceedings could impose restraints on TDS' current or future manner of doing business. Such potential outcomes could have an adverse effect on TDS' financial condition, results of operations or ability to do business.

**34) The possible development of adverse precedent in litigation or conclusions in professional studies to the effect that radio frequency emissions from wireless devices and/or cell sites cause harmful health consequences, including cancer or tumors, or may interfere with various electronic medical devices such as pacemakers, could have an adverse effect on TDS' wireless business, financial condition or results of operations.**



Media reports and certain professional studies have suggested that certain radio frequency emissions from wireless devices may be linked to various health problems, including cancer or tumors, and may interfere with various electronic medical devices, including hearing aids and pacemakers. U.S. Cellular is a party to and may in the future be a party to lawsuits against wireless carriers and other parties claiming damages for alleged health effects, including cancer or tumors, arising from wireless phones or radio frequency transmitters. Concerns over radio frequency emissions may discourage use of wireless devices or expose TDS to potential litigation. In addition, the FCC or other regulatory authorities may adopt regulations in response to concerns about radio frequency emissions. Any resulting decrease in demand for wireless services, costs of litigation and damage awards or regulation could have an adverse effect on TDS' business, financial condition or results of operations.

In addition, some studies have indicated that some aspects of using wireless devices while driving may impair drivers' attention in certain circumstances, making accidents more likely. These concerns could lead to potential litigation relating to accidents, deaths or serious bodily injuries, any of which could have an adverse effect on TDS' business, financial condition or results of operations.

Numerous state and local legislative bodies have enacted or proposed legislation restricting or prohibiting the use of wireless devices while driving motor vehicles. These enacted or proposed laws or other similar laws, if passed, could have the effect of reducing customer usage and/or increasing costs, which could have an adverse effect on TDS' business, financial condition, or results of operations.

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**35) Claims of infringement of intellectual property and proprietary rights of others, primarily involving patent infringement claims, could prevent TDS from using necessary technology to provide products or services or subject TDS to expensive intellectual property litigation or monetary penalties, which could have an adverse effect on TDS' business, financial condition or results of operations.**

TDS faces possible effects of industry litigation relating to patents, other intellectual property or otherwise, that may restrict TDS' access to devices for sale to customers. If technology that TDS uses in products or services were determined by a court to infringe a patent or other intellectual property right held by another person, TDS could be precluded from using that technology and could be required to pay significant monetary damages. TDS also may be required to pay significant royalties to such person to continue to use such technology in the future. The successful enforcement of any intellectual property rights, or TDS' inability to negotiate a license for such rights on acceptable terms, could force TDS to cease using the relevant technology and offering services incorporating the technology. Any litigation to determine the validity of claims that TDS' products or services infringe or may infringe intellectual property rights of another, regardless of their merit or resolution, could be costly and divert the effort and attention of TDS' management and technical personnel. Regardless of the merits of any specific claim, TDS cannot give assurance that it would prevail in litigation because of the complex technical issues and inherent uncertainties in intellectual property litigation. Although TDS generally seeks to obtain indemnification agreements from vendors that provide it with technology, there can be no assurance that any claim of infringement will be covered by an indemnity or that TDS will be able to recover all or any of its losses and costs under any available indemnity agreements. Any claims of infringement of intellectual property and proprietary rights of others could prevent TDS from using necessary technology to provide its services or subject TDS to expensive intellectual property litigation or monetary penalties, which could have an adverse effect on TDS' business, financial condition or results of operations.

**36) Certain matters, such as control by the TDS Voting Trust and provisions in the TDS Restated Certificate of Incorporation, may serve to discourage or make more difficult a change in control of TDS.**



The TDS Restated Certificate of Incorporation, as amended, and the TDS bylaws contain provisions which may serve to discourage or make more difficult a change in control of TDS without the support of the TDS Voting Trust and the TDS Board of Directors or without meeting various other conditions.

The TDS Restated Certificate of Incorporation, as amended, authorizes the issuance of different series of common stock, which have different voting rights. The TDS Series A Common Shares have the power to elect approximately 75% (less one) of the directors and have ten votes per share in matters other than the election of directors. The TDS Common Shares (with one vote per share) vote as a separate group only with respect to the election of 25% (plus one) of the directors. In addition, the total percentage voting power in matters other than the election of directors of the Series A Common Shares and Common Shares are fixed, at 56.7% and 43.3%, respectively, subject to adjustment due to changes in the number of outstanding Series A Common Shares.

A substantial majority of the outstanding TDS Series A Common Shares are held in the TDS Voting Trust which expires on June 30, 2035. The TDS Voting Trust was created to facilitate the long-standing relationships among the trustees' certificate holders. By virtue of the number of shares held by them, the voting trustees have the power to elect eight directors based on the current TDS Board of Directors' size of twelve directors, and control a majority of the voting power of TDS with respect to matters other than the election of directors.

The existence of the TDS Voting Trust is likely to deter any potential unsolicited or hostile takeover attempts or other efforts to obtain control of TDS and may make it more difficult for shareholders to sell shares of TDS at higher than market prices. The trustees of the TDS Voting Trust have advised TDS that they intend to maintain the ability to keep or dispose of voting control of TDS.

The TDS Restated Certificate of Incorporation, as amended, also authorizes the TDS Board of Directors to designate and issue TDS Undesignated Shares in one or more classes or series of preferred or common stock from time to time. Generally, no further action or authorization by the shareholders is necessary prior to the designation or issuance of the additional TDS Undesignated Shares authorized pursuant to the TDS Restated Certificate of Incorporation, as amended, unless applicable laws or regulations would require such approval in a given instance. Such TDS Undesignated Shares could be issued in circumstances that would serve to preserve control of TDS' then existing management.

In addition, the TDS Restated Certificate of Incorporation, as amended, includes a provision which authorizes the TDS Board of Directors to consider various factors, including effects on customers, taxes, and the long-term and short-term interests of TDS, in the context of a proposal or offer to acquire or merge the corporation, or to sell its assets, and to reject such offer if the TDS Board of Directors determines that the proposal is not in the best interests of the corporation based on such factors.

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The provisions of the TDS Restated Certificate of Incorporation, as amended, and the TDS bylaws and the existence of various classes of capital stock could prevent shareholders from profiting from an increase in the market value of their shares as a result of a change in control of TDS by delaying or preventing such change in control.

**37) Any of the foregoing events or other events could cause revenues, earnings, capital expenditures and/or any other financial or statistical information to vary from TDS' forward-looking estimates by a material amount.**

From time to time, TDS may disclose forward-looking information, including estimates of future service revenues; income before income taxes; and/or capital expenditures. Any such forward-looking information includes consideration of known or anticipated changes to the extent disclosed, but dynamic market conditions and/or other unknown or unanticipated events, including but not limited to the risks discussed above, could cause such estimates to differ materially from the actual amounts.

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**Item 1B. Unresolved Staff Comments**

None.

**Item 2. Properties**

*U.S. Cellular*

U.S. Cellular's mobile telephone switching offices, cell sites, call centers and retail stores are located primarily in U.S. Cellular's operating markets and are either owned or leased under long-term leases by U.S. Cellular, one of its subsidiaries, or the partnership, limited liability company or corporation which holds the license issued by the FCC.

U.S. Cellular leases space for its corporate offices in Chicago, Bensenville and Wood Dale, Illinois; it also leases space for its network operations center in Schaumburg, Illinois and its regional and local market business offices. U.S. Cellular operates four customer care centers; one of the facilities used in these operations is owned and three are leased.

*TDS Telecom*

Wireline owns substantially all of its physical assets consisting of telephone distribution networks, network electronic equipment and land and buildings located in its ILEC operating markets. TDS Telecom leases most of its office space, retail sites, equipment, switching facility buildings, storage facilities and sales offices used in its CLEC operations.

Cable's principal physical assets consist of cable distribution networks, headends, towers and business offices. Cable generally leases business offices and space on the towers on which equipment is located while headends are located on owned or leased parcels of land.

HMS' principal physical assets consist of data centers and business offices which are either owned or leased.

TDS Telecom leases space for its corporate headquarters office in Madison, Wisconsin.



*Corporate*

TDS leases space for its corporate offices in Chicago, Illinois and Middleton, Wisconsin.

*General*

U.S. Cellular's cell and transmitter sites and TDS Telecom's telephone and cable lines are located on private and public property. Locations on private land are by virtue of easements or other arrangements. U.S. Cellular and TDS Telecom have not experienced major problems with obtaining zoning approval for cell and transmitter sites, telephone lines or other operating facilities and do not anticipate significant problems in this area in future periods.

U.S. Cellular's and TDS Telecom's properties, plant and equipment are maintained in good operating condition and are suitable and adequate for TDS' business operations.

As of December 31, 2013, Property, plant and equipment, net of accumulated depreciation, totaled \$2,856.5 million at U.S. Cellular, \$821.3 million at Wireline, \$79.1 million at Cable, \$84.2 million at HMS; and \$37.0 million at Corporate, Airadigm and Suttle-Straus.

**Item 3. Legal Proceedings**

TDS is involved or may be involved from time to time in legal proceedings before the FCC, other regulatory authorities, and/or various state and federal courts. If TDS believes that a loss arising from such legal proceedings is probable and can be reasonably estimated, an amount is accrued in the financial statements for the estimated loss. If only a range of loss can be determined, the best estimate within that range is accrued; if none of the estimates within that range is better than another, the low end of the range is accrued. The assessment of the expected outcomes of legal proceedings is a highly subjective process that requires judgments about future events. The legal proceedings are reviewed at least quarterly to determine the adequacy of accruals and related financial statement disclosures. The ultimate outcomes of legal proceedings could differ materially from amounts accrued in the financial statements. See Note 12 — Commitments and Contingencies in the Notes to Consolidated Financial Statements for further information.

**Item 4. Mine Safety Disclosures.**

Not applicable



Table of Contents**PART II****Item 5. Market for Registrant’s Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities**

Market, holder, dividend and performance graph information is incorporated by reference from Exhibit 13 to this Form 10-K, Annual Report sections entitled “Shareholder Information” and “Consolidated Quarterly Information (Unaudited).”

Information relating to Issuer Purchases of Equity Securities is set forth below.

On August 2, 2013, the Board of Directors of TDS authorized a \$250 million stock repurchase program for TDS Common Shares. Depending on market conditions, such shares may be repurchased in compliance with Rule 10b-18 of the Securities Exchange Act of 1934, as amended ("Exchange Act"), pursuant to Rule 10b5-1 under the Exchange Act, or pursuant to accelerated share repurchase arrangements, prepaid share repurchases, private transactions or as otherwise authorized. This authorization does not have an expiration date.

TDS determines whether to repurchase shares from time to time based on many considerations, including cash needed for other known or possible requirements, the stock price, market conditions, debt rating considerations, business forecasts, business plans, macroeconomic conditions, share issuances under compensation plans, provisions in governing and legal documents and other legal requirements, and other facts and circumstances. Subject to these considerations, TDS may approve the repurchase of its shares from time to time when circumstances warrant.

<b>Period</b>	<b>Total Number of Shares Purchased</b>	<b>Average Price Paid per Share</b>	<b>Total Number of Shares Purchased as Part of Publicly</b>	<b>Maximum Dollar Value of Shares that may yet be Purchased Under the Plans or Programs</b>

				<b>Announced Plans or Programs</b>		
October 1 - 31, 2013	59,040	\$	28.89	59,040	\$	242,480,888
November 1 - 30, 2013	75,263		28.88	75,263		240,307,656
December 1 - 31, 2013	-		-	-		240,307,656
Total for or as of the end of the quarter ended December 31, 2013	134,303	\$	28.88	134,303	\$	240,307,656

The following is additional information with respect to the Common Shares authorization:

- i. The date the program was announced was August 2, 2013 by Form 8-K.
- ii. The amount approved was up to \$250 million in aggregate purchase price of TDS Common Shares.
- iii. The program does not have an expiration date.
- iv. TDS did not determine to terminate the foregoing Common Share repurchase program, or cease making further purchases thereunder, during the fourth quarter of 2013.

#### **Item 6. Selected Financial Data**

Incorporated by reference from Exhibit 13 to this Form 10-K, Annual Report section entitled "Selected Consolidated Financial and Operating Data," except for Ratio of earnings to fixed charges, which is incorporated herein by reference from Exhibit 12 to this Form 10-K.

#### **Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations**

Incorporated by reference from Exhibit 13 to this Form 10-K, Annual Report section entitled "Management's Discussion and Analysis of Financial Condition and Results of Operations."

**Item 7A. Quantitative and Qualitative Disclosures About Market Risk**

Incorporated by reference from Exhibit 13 to this Form 10-K, Annual Report section entitled “Market Risk.”

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**Item 8. Financial Statements and Supplementary Data**

Incorporated by reference from Exhibit 13 to this Form 10-K, Annual Report sections entitled “Consolidated Statement of Operations,” “Consolidated Statement of Comprehensive Income,” “Consolidated Statement of Cash Flows,” “Consolidated Balance Sheet,” “Consolidated Statement of Changes in Equity,” “Notes to Consolidated Financial Statements,” “Management’s Report on Internal Control Over Financial Reporting,” “Report of Independent Registered Public Accounting Firm,” and “Consolidated Quarterly Information (Unaudited).”

**Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure**

None.

**Item 9A. Controls and Procedures**

Evaluation of Disclosure Controls and Procedures

TDS maintains disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended (the “Exchange Act”)) that are designed to ensure that information required to be disclosed in its reports filed or submitted under the Exchange Act is processed, recorded, summarized and reported within the time periods specified in the SEC’s rules and forms, and that such information is accumulated and communicated to TDS’ management, including its principal executive officer and principal financial officer, as appropriate, to allow for timely decisions regarding required disclosure. In designing and evaluating the disclosure controls and procedures, management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving the desired control objectives.

As required by SEC Rule 13a-15(b), TDS carried out an evaluation, under the supervision and with the participation of management, including its principal executive officer and principal financial officer, of the effectiveness of the design and operation of TDS’ disclosure controls and procedures as of the end of the period covered by this Annual Report. Based on this evaluation, the principal executive officer and principal financial officer have concluded that TDS’ disclosure controls and procedures were effective as of December 31, 2013, at the reasonable assurance level.

Management’s Report on Internal Control Over Financial Reporting

Management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act. TDS' internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with accounting principles generally accepted in the United States of America ("GAAP"). TDS' internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the issuer; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with GAAP, and that receipts and expenditures of the issuer are being made only in accordance with authorizations of management and, where required, the board of directors of the issuer; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the issuer's assets that could have a material effect on the interim or annual consolidated financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Under the supervision and with the participation of TDS' management, including its principal executive officer and principal financial officer, TDS conducted an evaluation of the effectiveness of its internal control over financial reporting as of December 31, 2013, based on the criteria established in the 1992 version of *Internal Control — Integrated Framework* issued by the Committee of Sponsoring Organizations of the Treadway Commission ("COSO"). Management has concluded that TDS maintained effective internal control over financial reporting as of December 31, 2013 based on criteria established in the 1992 version of *Internal Control — Integrated Framework* issued by the COSO.

The effectiveness of TDS' internal control over financial reporting as of December 31, 2013 has been audited by PricewaterhouseCoopers LLP, an independent registered public accounting firm, as stated in the firm's report which is incorporated by reference into Item 8 of this Annual Report on Form 10-K from Exhibit 13 filed herewith.

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Changes in Internal Control Over Financial Reporting

Internal controls over financial reporting are updated as necessary to accommodate modifications to our business processes and accounting procedures. U.S. Cellular migrated its customers to a new billing and operational support system in 2013, which was completed in the third quarter of 2013. There were no changes in TDS' internal control over financial reporting during the fourth quarter of 2013 that have materially affected, or are reasonably likely to materially affect, TDS' internal control over financial reporting.

**Item 9B. Other Information**

None.

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**PART III**

**Item 10. Directors, Executive Officers and Corporate Governance**

Incorporated by reference from Proxy Statement sections entitled “Election of Directors,” “Corporate Governance,” “Executive Officers” and “Section 16(a) Beneficial Ownership Reporting Compliance.”

**Item 11. Executive Compensation**

Incorporated by reference from Proxy Statement section entitled “Executive and Director Compensation.”

**Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters**

Incorporated by reference from Proxy Statement sections entitled “Security Ownership of Certain Beneficial Owners and Management” and “Securities Authorized for Issuance under Equity Compensation Plans.”

**Item 13. Certain Relationships and Related Transactions, and Director Independence**

Incorporated by reference from Proxy Statement sections entitled “Corporate Governance” and “Certain Relationships and Related Transactions.”

**Item 14. Principal Accountant Fees and Services**

Incorporated by reference from Proxy Statement section entitled “Fees Paid to Principal Accountants.”

Table of Contents**PART IV****Item 15. Exhibits and Financial Statement Schedules**

(a)	The following documents are filed as a part of this report:		
	(1)	Financial Statements	
		Consolidated Statement of Operations	Annual Report*
		Consolidated Statement of Comprehensive Income	Annual Report*
		Consolidated Statement of Cash Flows	Annual Report*
		Consolidated Balance Sheet	Annual Report*
		Consolidated Statement of Changes in Equity	Annual Report*
		Notes to Consolidated Financial Statements	Annual Report*
		Management's Report on Internal Control Over Financial Reporting	Annual Report*
		Report of Independent Registered Public Accounting Firm —PricewaterhouseCoopers LLP	Annual Report*
		Consolidated Quarterly Information (Unaudited)	Annual Report*
		* Incorporated by reference from Exhibit 13.	

	(2)	Financial Statement Schedules		
				<b>Location</b>
		Los Angeles SMSA Limited Partnership Financial Statements		S-1
		Report of Independent Registered Public Accounting Firm — Deloitte & Touche LLP		S-2
		Balance Sheets		S-3
		Statements of Operations		S-4
		Statements of Changes in Partners' Capital		S-5
		Statements of Cash Flows		S-6
		Notes to Financial Statements		S-7

All other schedules have been omitted because they are not applicable or not required or because the required information is shown in the financial statements or notes thereto.

(3) Exhibits

The exhibits set forth in the accompanying Index to Exhibits are filed as a part of this Report. Compensatory plans or arrangements are identified in the Index to Exhibits with an asterisk.

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**LOS ANGELES SMSA LIMITED PARTNERSHIP**  
**FINANCIAL STATEMENTS**

TDS' subsidiary, U.S. Cellular, owns a 5.5% limited partnership interest in the Los Angeles SMSA Limited Partnership and accounts for such interest by the equity method. The partnership's financial statements were obtained by U.S. Cellular as a limited partner.

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Partners of

Los Angeles SMSA Limited Partnership:

Basking Ridge, New Jersey

We have audited the accompanying balance sheets of Los Angeles SMSA Limited Partnership (the "Partnership") as of December 31, 2013 and 2012, and the related statements of operations, changes in partners' capital, and cash flows for each of the three years in the period ended December 31, 2013. These financial statements are the responsibility of the Partnership's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. The Partnership is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Partnership's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, such financial statements present fairly, in all material respects, the financial position of the Partnership as of December 31, 2013 and 2012, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2013 in conformity with accounting principles generally accepted in the United States of America.

/s/ Deloitte & Touche LLP

Atlanta, Georgia

February 28, 2014

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<b>Los Angeles SMSA Limited Partnership</b>					
Balance Sheets - As of December 31, 2013 and 2012					
(Dollars in Thousands)					
			<b>2013</b>		<b>2012</b>
<b>ASSETS</b>					
CURRENT ASSETS:					
	Accounts receivable, net of allowance of \$21,600 and \$14,205	\$	363,069	\$	338,599
	Unbilled revenue		20,070		19,491
	Due from affiliate		316,794		243,748
	Prepaid expenses and other current assets		4,357		4,537
	Total current assets		704,290		606,375
	PROPERTY, PLANT AND EQUIPMENT—Net		1,581,317		1,569,418
	WIRELESS LICENSES		79,543		79,543
	OTHER ASSETS		8,848		655
	TOTAL ASSETS	\$	2,373,998	\$	2,255,991
<b>LIABILITIES AND PARTNERS' CAPITAL</b>					
CURRENT LIABILITIES:					
	Accounts payable and accrued liabilities	\$	117,972	\$	132,558
	Advance billings and customer deposits		152,698		144,849
	Deferred gain on lease transaction		4,923		4,923
	Total current liabilities		275,593		282,330
LONG TERM LIABILITIES:					
	Deferred gain on lease transaction		28,892		33,833
	Other long term liabilities		34,411		23,964
	Total long term liabilities		63,303		57,797
	Total liabilities		338,896		340,127
	PARTNERS' CAPITAL		2,035,102		1,915,864

TOTAL LIABILITIES AND PARTNERS' CAPITAL			\$	2,373,998	\$	2,255,991
See notes to financial statements.						

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<b>Los Angeles SMSA Limited Partnership</b>							
Statements of Operations - Years Ended December 31, 2013, 2012 and 2011							
(Dollars in Thousands)							
			<b>2013</b>		<b>2012</b>		<b>2011</b>
<b>OPERATING REVENUE:</b>							
	Service revenue	\$	4,166,296	\$	3,920,064	\$	3,782,027
	Equipment and other		667,963		677,836		593,330
	Total operating revenue		4,834,259		4,597,900		4,375,357
<b>OPERATING COSTS AND EXPENSES:</b>							
	Cost of service (exclusive of depreciation and amortization)		753,438		705,065		797,797
	Depreciation and amortization		337,313		343,565		366,119
	Cost of equipment		885,502		948,130		955,002
	Selling, general and administrative		1,445,229		1,375,852		1,263,604
	Total operating costs and expenses		3,421,482		3,372,612		3,382,522
	<b>OPERATING INCOME</b>		1,412,777		1,225,288		992,835
<b>OTHER INCOME:</b>							
	Interest income, net		1,520		1,051		561
	Other		4,941		4,941		6,964
	Total other income		6,461		5,992		7,525
	<b>NET INCOME</b>	\$	1,419,238	\$	1,231,280	\$	1,000,360
<b>Allocation of Net Income:</b>							
	Limited Partners	\$	851,543	\$	738,768	\$	600,216
	General Partner	\$	567,695	\$	492,512	\$	400,144
See notes to financial statements.							

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<b>Los Angeles SMSA Limited Partnership</b>											
Statements of Changes in Partners' Capital - Years Ended December 31, 2013, 2012 and 2011											
(Dollars in Thousands)											
		<b>General</b>	<b>Limited Partners</b>								
		<b>Partner</b>									
		<b>AirTouch</b>	<b>AirTouch</b>	<b>Cellco</b>	<b>United States</b>						
		<b>Cellular</b>	<b>Cellular</b>	<b>Partnership</b>	<b>Cellular</b>	<b>Corporation</b>					<b>Total Partners'</b>
											<b>Capital</b>
BALANCE—January 1, 2011	\$	833,690	\$	881,627	\$	254,276	\$	114,631	\$	2,084,224	
Distributions		(480,000)		(507,600)		(146,400)		(66,000)		(1,200,000)	
Net Income		400,144		423,152		122,044		55,020		1,000,360	
BALANCE—December 31, 2011		753,834		797,179		229,920		103,651		1,884,584	
Distributions		(480,000)		(507,600)		(146,400)		(66,000)		(1,200,000)	
Net Income		492,512		520,832		150,216		67,720		1,231,280	
BALANCE—December 31, 2012		766,346		810,411		233,736		105,371		1,915,864	
Distributions		(520,000)		(549,900)		(158,600)		(71,500)		(1,300,000)	
Net Income		567,695		600,337		173,146		78,060		1,419,238	
BALANCE—December 31, 2013	\$	814,041	\$	860,848	\$	248,282	\$	111,931	\$	2,035,102	

See notes to financial statements.

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<b>Los Angeles SMSA Limited Partnership</b>									
Statements of Cash Flows - Years Ended December 31, 2013, 2012 and 2011									
(Dollars in Thousands)									
				<b>2013</b>		<b>2012</b>		<b>2011</b>	
<b>CASH FLOWS FROM OPERATING ACTIVITIES:</b>									
	Net income			\$	1,419,238	\$	1,231,280	\$	1,000,360
	Adjustments to reconcile net income to net cash provided by operating activities:								
	Depreciation and amortization				337,313		343,565		366,119
	Amortization of deferred gain on lease transaction				(4,941)		(4,957)		(4,949)
	Provision for losses on accounts receivable				44,339		37,057		27,249
	Changes in certain assets and liabilities:								
	Accounts receivable				(68,809)		(69,272)		(47,942)
	Unbilled revenue				(579)		2,761		(1,014)
	Prepaid expenses and other current assets				180		(760)		(125)
	Other assets				(8,193)		19		
	Accounts payable and accrued liabilities				(15,872)		18,548		24,243
	Advance billings and customer deposits				7,849		9,826		8,518
	Other long term liabilities				10,447		4,208		3,124
	Net cash provided by operating activities				1,720,972		1,572,275		1,375,583
<b>CASH FLOWS FROM INVESTING ACTIVITIES:</b>									
	Capital expenditures, net				(347,926)		(272,176)		(364,956)
	Change in due from affiliate, net				(73,046)		(100,099)		189,373
	Net cash used in investing activities				(420,972)		(372,275)		(175,583)
<b>CASH FLOWS FROM FINANCING ACTIVITIES:</b>									
	Distributions to partners				(1,300,000)		(1,200,000)		(1,200,000)
	Net cash used in financing activities				(1,300,000)		(1,200,000)		(1,200,000)
<b>CHANGE IN CASH</b>									

CASH—Beginning of year						—			—		
CASH—End of year				\$		—	\$		—	\$	
NONCASH TRANSACTIONS FROM INVESTING ACTIVITIES:											
Accruals for Capital Expenditures				\$	12,689		\$	11,403		\$	3,372
See notes to financial statements.											

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Table of Contents**Los Angeles SMSA Limited Partnership**

Notes to Financial Statements – Years Ended December 31, 2013, 2012 and 2011.

(Dollars in Thousands)

**1. ORGANIZATION AND MANAGEMENT**

*Los Angeles SMSA Limited Partnership* – Los Angeles SMSA Limited Partnership (the “Partnership”) was formed in 1984. The principal activity of the Partnership is providing cellular service in the Los Angeles metropolitan service area.

The partners and their respective ownership percentages as of December 31, 2013, 2012 and 2011 are as follows:

General Partner		
	AirTouch Cellular* (“General Partner”)	40.0%
Limited Partners:		
	AirTouch Cellular*	42.3%
	Cellco Partnership	12.2%
	United States Cellular Corporation	5.5%

\* AirTouch Cellular is a wholly-owned subsidiary of Verizon Wireless (VAW) LLC (a wholly-owned subsidiary of Cellco Partnership (“Cellco”) doing business as Verizon Wireless.

In accordance with the partnership agreement, Cellco is responsible for managing the operations of the partnership (See Note 5).

**2. SIGNIFICANT ACCOUNTING POLICIES**

***Use of Estimates*** — The preparation of financial statements in accordance with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect reported amounts and disclosures. Actual results could differ from those estimates. Estimates are used for, but are not limited to, the accounting for: revenue and expense, allocations, allowance for uncollectible accounts receivable, unbilled revenue, depreciation and amortization, useful lives and impairment of assets, accrued expenses, and contingencies.

***Revenue Recognition*** — The Partnership offers products and services to our customers through bundled arrangements. These arrangements involve multiple deliverables which may include products, services, or a combination of products and services.

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The Partnership earns revenue by providing access to its network (access revenue) and usage of its network (usage revenue), which includes voice and data revenue. Customers are associated with the Partnership based upon mobile identification number. In general, access revenue is billed one month in advance and is recognized when earned; the unearned portion is classified in Advance billings in the balance sheet. Usage revenue is recognized when service is rendered and included in unbilled revenue until billed. Equipment sales revenue associated with the sale of wireless devices and related equipment costs are recognized when the products are delivered to and accepted by the customer, as this is considered to be a separate earnings process from the sale of wireless services. Customer activation fees charged to customers are considered additional consideration and are recorded in Equipment and other revenue, generally, at the time of customer acceptance. For agreements involving the resale of third-party services in which the Partnership is considered the primary obligor in the arrangements, the Partnership records revenue gross at the time of sale. For equipment sales, the Partnership currently subsidizes the cost of wireless devices. The amount of this subsidy is generally contingent on the arrangement and terms selected by the customer. In multiple deliverable arrangements which involve the sale of equipment and a service contract, the equipment revenue is recognized up to the amount collected when the wireless device is sold.

The roaming rates charged by the Partnership to Cellco do not necessarily reflect current market rates. The Partnership will continue to re-evaluate the rates on a periodic basis (See Note 5).

The Partnership reports taxes imposed by governmental authorities on revenue-producing transactions between us and our customers on a net basis.

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**Operating Costs and Expenses** — Operating expenses include expenses incurred directly by the Partnership, as well as an allocation of selling, general and administrative, and operating costs incurred by Cellco or its affiliates on behalf of the Partnership. Employees of Cellco provide services performed on behalf of the Partnership. These employees are not employees of the Partnership, therefore operating expenses include direct and allocated charges of salary and employee benefit costs for the services provided to the Partnership. Cellco believes such allocations, principally based on the Partnership's percentage of total customers, customer gross additions or minutes-of-use, are in accordance with the Partnership Agreement and are a reasonable method of allocating such costs. The roaming rates charged to the Partnership by Cellco do not necessarily reflect current market rates. The Partnership will continue to re-evaluate the rates on a periodic basis (see Note 5).

**Retail Stores** — The daily operations of all retail stores owned by the Partnership are managed by Cellco. All fixed assets, liabilities, income and expenses related to these retail stores are recorded in the financial statements of the Partnership.

**Comprehensive Income** — Comprehensive income is the same as net income as presented in the accompanying statements of operations.

**Income Taxes** — The Partnership is not a taxable entity for federal and state income tax purposes. Any taxable income or loss is apportioned to the partners based on their respective partnership interests and is reported by them individually.

**Inventory** — Inventory is owned by Cellco and is not recorded on the Partnership's financial statements. Upon sale, the related cost of the inventory is transferred to the Partnership at Cellco's cost basis and included in the accompanying statements of operations.

**Allowance for Doubtful Accounts** — The Partnership maintains allowances for uncollectible accounts receivable for estimated losses resulting from the inability of customers to make required payments. Estimates are based on the aging of the accounts receivable balances and the historical write-off experience, net of recoveries.

**Property, Plant and Equipment** — Property, plant and equipment primarily represents costs incurred to construct and expand capacity and network coverage on mobile telephone switching offices and cell sites. The cost of property, plant and equipment is depreciated over its estimated useful life using the straight-line method of depreciation. Leasehold improvements are amortized over the shorter of their estimated useful lives or the term of the related lease. Major improvements to existing plant and equipment that extend the useful lives are capitalized. Routine maintenance



and repairs that do not extend the life of the plant and equipment are charged to expense as incurred.

Upon the sale or retirement of property, plant and equipment, the cost and related accumulated depreciation or amortization are eliminated and any related gain or loss is reflected in the statements of operations. All property, plant and equipment purchases are made through an affiliate of Cellco. Transfers of property, plant and equipment between Cellco and affiliates are recorded at net book value and included in due from affiliate until settled.

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Network engineering costs incurred during the construction phase of the Partnership's network and real estate properties under development are capitalized as part of property, plant and equipment and recorded as construction in progress until the projects are completed and placed into service.

**FCC Licenses** — The Federal Communications Commission ("FCC") issues licenses that authorize cellular carriers to provide service in specific cellular geographic service areas. The FCC grants licenses for terms of up to ten years. In 1993 the FCC adopted specific standards to apply to cellular renewals, concluding it will award a license renewal to a cellular licensee that meets certain standards of past performance. Historically, the FCC has granted license renewals routinely and at nominal costs, which are expensed as incurred. The current terms of the Partnership's FCC licenses expire in October 2014, February 2016 and April 2017. Cellco and the Partnership believe they will be able to meet all requirements necessary to secure renewal of the Partnership's cellular licenses. FCC wireless licenses totaling \$79,543 are recorded on the books of the Partnership as of December 31, 2013 and 2012. There are additional wireless licenses issued by the FCC that authorize the Partnership to provide cellular service recorded on the books of Cellco.

**Valuation of Assets** — Long-lived assets, including property, plant and equipment and intangible assets with finite lives, are reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount of the asset may not be recoverable. The carrying amount of a long-lived asset is not recoverable if it exceeds the sum of the undiscounted cash flows expected to result from the use and eventual disposition of the asset. The impairment loss would be measured as the amount by which the carrying amount of the asset exceeds the fair value of the asset.

The Partnership's principal intangible assets are licenses, which provide the Partnership with the exclusive right to utilize certain radio frequency spectrum to provide wireless communication services. Cellco and the Partnership re-evaluate the useful life determination for wireless licenses at least annually to determine whether events and circumstances continue to support an indefinite useful life. Moreover, Cellco and the Partnership have determined that there are currently no legal, regulatory, contractual, competitive, economic or other factors that limit the useful life of the Partnership's wireless licenses. As a result, the wireless licenses are treated as an indefinite life intangible asset, and are not amortized but rather are tested for impairment.

Cellco and the Partnership test their wireless licenses for potential impairment annually, and more frequently if indications of impairment exist. In 2013, Cellco and the Partnership performed a qualitative assessment to determine whether it is more likely than not that the fair value of its wireless licenses was less than the carrying amount. As part of the assessment, Cellco and the Partnership considered several qualitative factors including the business enterprise value and other industry and market considerations. Based on our assessment in 2013, Cellco and the Partnership qualitatively concluded that it was more likely than not that the fair value of their wireless licenses significantly exceeded their carrying value and therefore did not result in any impairment. In 2012 and 2011 Cellco and the Partnership evaluated their licenses on an aggregate basis, using a direct income-based value approach. This approach estimates fair value using a discounted cash flow analysis to estimate what a marketplace participant would be willing to pay to purchase the aggregated wireless licenses as of the valuation date. If the fair value of the aggregated wireless licenses is less than the aggregated carrying amount of the wireless licenses, an impairment is recognized.

In addition, Cellco believes that under the Partnership agreement it has the right to allocate, based on a reasonable methodology, any impairment loss recognized by Cellco for all licenses included in Cellco's national footprint. Cellco does not charge the Partnership for the use of any FCC license recorded on its books (except for the annual cost of \$51,699 related to the spectrum leases). Cellco and the Partnership evaluated their wireless licenses for potential impairment as of December 15, 2013 and December 15, 2012. These evaluations resulted in no impairment of wireless licenses.

**Concentrations** — The Partnership maintains allowances for uncollectible accounts receivable for estimated losses resulting from the inability of customers to make required payments. Estimates are based on historical net write-off experience. No single customer receivable is large enough to present a significant financial risk to the partnership.

Cellco and the Partnership rely on local and long-distance telephone companies, some of which are related parties (See Note 5), and other companies to provide certain communication services. Although management believes alternative telecommunications facilities could be found in a timely manner, any disruption of these services could potentially have a material adverse impact on the Partnership's operating results.

Although Cellco attempts to maintain multiple vendors for its network assets and inventory, which are important components of its operations, they are currently acquired from only a few sources. Certain of these products are in turn utilized by the Partnership and are important components of the Partnership's operations. If the suppliers are unable to meet Cellco's needs as it builds out its network infrastructure and sells service and equipment, delays and increased costs in the expansion of the Partnership's network infrastructure or losses of potential customers could result, which would adversely affect operating results.

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**Financial Instruments** — The Partnership's trade receivables and payables are short-term in nature, and accordingly, their carrying value approximates fair value.

**Due from affiliate** — Due from affiliate principally represents the Partnership's cash position with Cellco. Cellco manages, on behalf of the Partnership, all cash, inventory, investing and financing activities of the Partnership. As such, the change in due from affiliate is reflected as an investing activity or a financing activity in the statements of cash flows depending on whether it represents a net asset or net liability for the Partnership.

Additionally, administrative and operating costs incurred by Cellco on behalf of the Partnership, as well as property, plant and equipment transactions with affiliates, are charged to the Partnership through this account. Starting in 2011, interest income is based on the Applicable Federal Rate which was approximately .2%, .2% and .4% for the years ended December 31, 2013, 2012 and 2011, respectively. Interest expense is calculated by applying Cellco's average cost of borrowing from Verizon Communications, Inc, which was approximately 7.4%, 7.3% and 6.8% for the years ended December 31, 2013, 2012 and 2011, respectively. Included in net interest income is interest income of \$1,352, \$1,123 and \$712 for the years ended December 31, 2013, 2012 and 2011, respectively, related to due from affiliate.

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***Distributions*** - The Partnership is required to make distributions to its partners based upon the Partnership's operating results, due to/from affiliate status, and financing needs as determined by the General Partner at the date of the distribution.

***Recently Adopted Accounting Standards*** - During the first quarter of 2013 we adopted the accounting standard update regarding testing of intangible assets for impairment. This standard update allows companies the option to perform a qualitative assessment to determine whether it is more likely than not that an indefinite-lived intangible asset is impaired. An entity is not required to calculate the fair value of an indefinite-lived intangible asset and perform the quantitative impairment test unless the entity determines that it is more likely than not the asset is impaired. The adoption of this standard did not have a significant impact on the financial statements.

***Subsequent Events*** – Events subsequent to December 31, 2013 have been evaluated through February 28, 2014, the date the financial statements were issued.

Table of Contents**3. PROPERTY, PLANT AND EQUIPMENT, NET**

Property, plant and equipment consist of the following as of December 31, 2013 and 2012:

	2013		2012	
Land	\$	7,730	\$	7,742
Buildings and improvements (15-40 years)		633,840		575,456
Wireless plant and equipment (3-15 years)		3,483,289		3,265,052
Furniture, fixtures and equipment (3-10 years)		67,981		65,823
Leasehold improvements (5 years)		327,277		308,050
		4,520,117		4,222,123
Less: accumulated depreciation		(2,938,800)		(2,652,705)
Property, plant and equipment, net	\$	1,581,317	\$	1,569,418
Depreciation expense	\$	337,302	\$	343,565

Capitalized network engineering costs of \$22,242 and \$22,253 were recorded during the years ended December 31, 2013 and 2012, respectively. Construction in progress included in certain classifications shown above, principally wireless plant and equipment, amounted to \$88,836 and \$85,383 as of December 31, 2013 and 2012, respectively.

**Tower Transactions** – Prior to the acquisition of the Partnership interest by Cellco in 2000, Vodafone Group Plc (“Vodafone”), then parent company of AirTouch Cellular, entered into agreements to sublease all of its unused space on up to 430 of its communications towers (“Sublease Agreement”) to SpectraSite Holdings, Inc. (“SpectraSite”) in exchange for \$155,000. At various closings in 2001 and 2000, SpectraSite leased 274 communications towers owned and operated by the Partnership for \$98,465. At December 31, 2013 and 2012, the Partnership has \$33,815 and \$38,756, respectively, recorded as deferred gain on lease transaction. The Sublease Agreement requires monthly maintenance fees for the existing physical space used by the Partnership’s cellular equipment. The Partnership paid \$8,872, \$11,421 and \$12,150 to SpectraSite pursuant to the Sublease Agreement for the years ended December 31, 2013, 2012 and 2011, respectively, which is included in cost of service in the accompanying Statements of Operations.



Table of Contents**4. CURRENT LIABILITIES**

Accounts payable and accrued liabilities consist of the following as of December 31, 2013 and 2012:

	2013		2012	
Accounts payable	\$	104,654	\$	117,935
Accrued liabilities		13,318		14,623
Accounts payable and accrued liabilities	\$	117,972	\$	132,558

Advance billings and customer deposits consist of the following as of December 31, 2013 and 2012:

	2013		2012	
Advance billings	\$	148,328	\$	140,617
Customer deposits		4,370		4,232
Advance billings and customer deposits	\$	152,698	\$	144,849

**5. TRANSACTIONS WITH AFFILIATES AND RELATED PARTIES**

In addition to fixed asset purchases (see Note 2), substantially all of service revenues, equipment and other revenues, cost of service, cost of equipment, and selling, general and administrative expenses represent transactions processed by affiliates (Cellco and its related parties) on behalf of the Partnership or represent transactions with affiliates. These transactions consist of revenues and expenses that pertain to the Partnership which are processed by Cellco and directly attributed to or directly charged to the Partnership. They also include certain revenues and expenses that are processed or incurred by Cellco which are allocated to the Partnership based on factors such as the Partnership's percentage of customers, gross customer additions, or minutes of use. These transactions do not necessarily represent arm's length transactions and may not represent all revenues and costs if the Partnership operated on a standalone basis.

Service revenues - Service revenues include monthly customer billings processed by Cellco on behalf of the Partnership and roaming revenues relating to customers of other affiliated markets that are specifically identified to the Partnership. Service revenue also includes long distance, data, and certain revenue reductions including revenue



concessions that are processed by Cellco and allocated to the Partnership based on certain factors deemed appropriate by Cellco.

Equipment and other revenues - Equipment revenue includes equipment sales processed by Cellco and specifically identified to the Partnership, as well as certain handset and

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accessory revenues, contra-revenues including equipment concessions, and coupon rebates that are processed by Cellco and allocated to the Partnership based on certain factors deemed appropriate by Cellco. Other revenues include switch revenue and other fees and surcharges charged to the customer that are specifically identified to the Partnership.

Cost of Service - Cost of service includes roaming costs relating to customers roaming in other affiliated markets that are specifically identified to the Partnership. Cost of service also includes cost of telecom, long distance and application content that are incurred by Cellco and allocated to the Partnership based on certain factors deemed appropriate by Cellco. The Partnership has also entered into a lease agreement for the right to use additional spectrum owned by Cellco. See Note 6 for further information regarding this arrangement.

Cost of equipment - Cost of equipment includes the cost of inventory specifically identified and transferred to the Partnership (see Note 2). Cost of equipment also includes certain costs related to handsets, accessories and other costs incurred by Cellco and allocated to the Partnership based on certain factors deemed appropriate by Cellco.

Selling, general and administrative - Selling, general and administrative expenses include commissions, customer billing, office telecom, customer care, salaries, sales and marketing and advertising expenses that are specifically identified to the Partnership as well as incurred by Cellco and allocated to the Partnership based on certain factors deemed appropriate by Cellco.

## **6. COMMITMENTS**

Cellco, on behalf of the Partnership, and the Partnership itself have entered into operating leases for facilities, and equipment and spectrum used in its operations. Lease contracts include renewal options that include rent expense adjustments based on the Consumer Price Index as well as annual and end-of-lease term adjustments. Rent expense is recorded on a straight-line basis. The noncancellable lease term used to calculate the amount of the straight-line rent expense is generally determined to be the initial lease term, including any optional renewal terms that are reasonably assured. Leasehold improvements related to these operating leases are amortized over the shorter of their estimated useful lives or the noncancellable lease term. For the years ended December 31, 2013, 2012 and 2011, the Partnership incurred a total of \$139,341, \$131,362 and \$127,469, respectively, as rent expense related to these operating leases, which was included in cost of service and general and administrative expenses in the accompanying statements of operations. Aggregate future minimum rental commitments under noncancellable operating leases, excluding renewal options that are not reasonably assured and remaining tower maintenance fees of \$70,018 (See Note 3), for the years shown are as follows:



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<b>Years</b>	<b>Amount</b>
2014	\$ 96,696
2015	82,764
2016	70,595
2017	28,442
2018	14,521
2019 and thereafter	36,724
<b>Total minimum payments</b>	<b>\$ 329,742</b>

On November 30, 2010, the Partnership entered into a 700 MHz upper band spectrum lease with Cellco. The lease includes an initial term extending through June 13, 2019 and a renewal option through June 13, 2029. The license, held by Cellco, is considered an indefinite-lived intangible as Cellco believes it will be able to meet all requirements necessary to secure renewal of this license. The Partnership accounts for this spectrum lease as an executory contract which is similar to an operating lease.

Based on the terms of the spectrum license lease as of December 31, 2013, future spectrum lease obligations, including the renewal period, are expected to be as follows:

<b>Years</b>	<b>Amount</b>
2014	\$ 20,843
2015	20,843
2016	20,843
2017	20,843
2018	20,843
2019 and thereafter	217,112
<b>Total minimum payments</b>	<b>\$ 321,327</b>

The General Partner currently expects that the renewal option in the lease will be exercised.

From time to time Cellco enters into purchase commitments, primarily for network equipment, on behalf of the Partnership. These represent legal obligations of Cellco.



Table of Contents**7. CONTINGENCIES**

Cellco and the Partnership are subject to lawsuits and other claims including class actions, product liability, patent infringement, intellectual property, antitrust, partnership disputes, and claims involving relations with resellers and agents. Cellco is also currently defending lawsuits filed against it and other participants in the wireless industry alleging various adverse effects as a result of wireless phone usage. Various consumer class action lawsuits allege that Cellco violated certain state consumer protection laws and other statutes and defrauded customers through misleading billing practices or statements. These matters may involve indemnification obligations by third parties and/or affiliated parties covering all or part of any potential damage awards against Cellco and the Partnership and/or insurance coverage. All of the above matters are subject to many uncertainties, and the outcomes are not currently predictable.

The Partnership may be allocated a portion of the damages that may result upon adjudication of these matters if the claimants prevail in their actions. In none of the currently pending matters is the amount of accrual material. An estimate of the reasonably possible loss or range of loss in excess of the amounts already accrued to either Cellco or the Partnership with respect to these matters as of December 31, 2013 cannot be made at this time due to various factors typical in contested proceedings, including (1) uncertain damage theories and demands; (2) a less than complete factual record; (3) uncertainty concerning legal theories and their resolution by courts or regulators; and (4) the unpredictable nature of the opposing party and its demands. We continuously monitor these proceedings as they develop and adjust any accrual or disclosure as needed. We do not expect that the ultimate resolution of any pending regulatory or legal matter in future periods will have a material effect on the financial condition of the Partnership, but it could have a material effect on our results of operations for a given reporting period.

**8. RECONCILIATION OF ALLOWANCE FOR DOUBTFUL ACCOUNTS**

		<b>Balance at Beginning of the Year</b>	<b>Additions Charged to Operations</b>	<b>Write-offs Net of Recoveries</b>	<b>Balance at End of the Year</b>
Accounts Receivable Allowances:					
	2013	\$ 14,205	\$ 44,339	\$ (36,944)	\$ 21,600
	2012	14,076	37,057	(36,928)	14,205
	2011	15,135	27,249	(28,308)	14,076
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**SIGNATURES**

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

TELEPHONE AND DATA SYSTEMS, INC.

By: */s/ LeRoy T. Carlson, Jr.  
LeRoy T. Carlson, Jr.  
President and Chief Executive Officer  
(principal executive officer)*

By: */s/ Douglas D. Shuma  
Douglas D. Shuma  
Senior Vice President and Controller  
(principal financial officer and principal accounting officer)*

Dated: February 28, 2014

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Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

<b>Signature</b>	<b>Title</b>	<b>Date</b>
/s/ LeRoy T. Carlson, Jr. LeRoy T. Carlson, Jr.	Director	February 28, 2014
/s/ Letitia G. Carlson, M.D. Letitia G. Carlson, M.D.	Director	February 28, 2014
/s/ Prudence E. Carlson Prudence E. Carlson	Director	February 28, 2014
/s/ Walter C.D. Carlson Walter C.D. Carlson	Director	February 28, 2014
/s/ Clarence A. Davis Clarence A. Davis	Director	February 28, 2014
/s/ Kenneth R. Meyers Kenneth R. Meyers	Director	February 28, 2014
/s/ Donald C. Nebergall Donald C. Nebergall	Director	February 28, 2014
/s/ George W. Off George W. Off	Director	February 28, 2014
/s/ Christopher D. O'Leary Christopher D. O'Leary	Director	February 28, 2014
/s/ Mitchell H. Saranow Mitchell H. Saranow	Director	February 28, 2014
/s/ Gary L. Sugarman Gary L. Sugarman	Director	February 28, 2014
/s/ Herbert S. Wander Herbert S. Wander	Director	February 28, 2014

Herbert S. Wander			
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**INDEX TO EXHIBITS**

<b>Exhibit Number</b>	<b>Description of Documents</b>
3.1	TDS' Restated Certificate of Incorporation, dated January 24, 2012, is hereby incorporated by reference to Exhibit 3.1 to TDS' Registration Statement on Form 8-A/A dated January 24, 2012.
3.2	TDS Restated Bylaws, as amended, are hereby incorporated by reference to Exhibit 3.1 to TDS' Current Report on Form 8 K dated July 19, 2013.
4.1	TDS' Restated Certificate of Incorporation is hereby incorporated as Exhibit 3.1.
4.2	TDS Restated Bylaws, as amended, are hereby incorporated as Exhibit 3.2.
4.3(a)	Indenture for Senior Debt Securities between TDS and The Bank of New York Mellon Trust Company, N.A., formerly known as The Bank of New York Trust Company, N.A., as successor to BNY Midwest Trust Company ("BNY") dated November 1, 2001 is hereby incorporated by reference to Exhibit 4 to TDS' Quarterly Report on Form 10-Q for the quarter ended September 30, 2001.
4.3(b)	Second Supplemental Indenture dated May 31, 2002 by and between TDS and BNY making changes to the First Supplemental Indenture is hereby incorporated by reference to Exhibit 4.8 to TDS' Quarterly Report on Form 10-Q for the quarter ended June 30, 2002.
4.3(c)	Third Supplemental Indenture dated March 31, 2005 by and between TDS and BNY, establishing TDS' 6.625% Senior Notes due 2045, is hereby incorporated by reference to Exhibit 4.1 to TDS' Current Report on Form 8 K dated March 23, 2005.
4.3(d)	Fourth Supplemental Indenture dated November 16, 2010 by and between TDS and BNY, establishing TDS' 6.875% Senior Notes due 2059, is hereby incorporated by reference to Exhibit 4.1 to TDS' Current Report on Form 8 K dated November 16, 2010.
4.3(e)	Fifth Supplemental Indenture dated March 21, 2011 by and between TDS and BNY, establishing TDS' 7% Senior Notes due 2060, is hereby incorporated by reference to Exhibit 4.1 to TDS' Current Report on Form 8-K dated March 21, 2011.

- 4.3(f) Sixth Supplemental Indenture dated November 26, 2012 by and between TDS and BNY, establishing TDS' 5.875% Senior Notes due 2061, is hereby incorporated by reference to Exhibit 4.1 to TDS' Current Report on Form 8-K dated November 26, 2012.
- 4.4 Revolving Credit Agreement dated December 17, 2010 among TDS and the lenders named therein, and Bank of America, N.A. as Administrative Agent, is hereby incorporated by reference to Exhibit 4.1 to TDS' Current Report on Form 8-K dated December 17, 2010.
- 4.5 Revolving Credit Agreement dated December 17, 2010 among U.S. Cellular and the lenders named therein, and Toronto Dominion (Texas) LLC as Administrative Agent, is hereby incorporated by reference to Exhibit 4.1 to U.S. Cellular's Current Report on Form 8-K dated December 17, 2010.
- 4.6(a) Indenture for Senior Debt Securities dated June 1, 2002 between U.S. Cellular and BNY is hereby incorporated by reference to Exhibit 4.1 to Form S-3 dated May 31, 2013 (File No. 333-188971).
- 4.6(b) Form of Third Supplemental Indenture dated as of December 3, 2003 between U.S. Cellular and BNY, relating to \$444,000,000 of U.S. Cellular's 6.7% Senior Notes due 2033, is hereby incorporated by reference to Exhibit 4.1 to U.S. Cellular's Current Report on Form 8-K dated December 3, 2003.
- 4.6(c) Form of Fifth Supplemental Indenture dated as of June 21, 2004 between U.S. Cellular and BNY, relating to \$100,000,000 of U.S. Cellular's 6.7% Senior Notes due 2033, is hereby incorporated by reference to Exhibit 4.1 to U.S. Cellular's Current Report on Form 8-K dated June 21, 2004.
- 4.6(d) Form of Sixth Supplemental Indenture dated as of May 9, 2011 between U.S. Cellular and BNY, relating to \$342,000,000 of U.S. Cellular's 6.95% Senior Notes due 2060, is hereby incorporated by reference to Exhibit 4.1 to U.S. Cellular's Current Report on Form 8-K dated May 9, 2011.
- 4.7 Indenture for Subordinated Debt Securities between TDS and BNY is hereby incorporated by reference to Exhibit 4.1 to TDS' Current Report on Form 8-K dated September 16, 2013.
- 4.8 Indenture for Subordinated Debt Securities between U.S. Cellular and BNY is hereby incorporated by reference to Exhibit 4.1 to U.S. Cellular's Current Report on Form 8-K dated September 16, 2013.
- 9.1 Amendment and Restatement (dated April 22, 2005) of Voting Trust Agreement dated June 30, 1989 is hereby incorporated by reference to the Exhibit filed on Amendment No. 3 to Schedule 13D

dated May 2, 2005 filed by the trustees of such voting trust with respect to TDS Common Shares.

- 10.1(a)\* Salary Continuation Agreement for LeRoy T. Carlson dated May 20, 1977, as amended May 22, 1981 and May 25, 1984, is hereby incorporated by reference to TDS' Registration Statement on Form S-2, No. 2-92307.
- 10.1(b)\* Amendment to Salary Continuation Agreement for LeRoy T. Carlson is hereby incorporated by reference to Exhibit 10.4 to TDS' Current Report on Form 8-K dated November 25, 2008.
- 10.2(a)\* TDS Amended and Restated 2004 Long-Term Incentive Plan is hereby incorporated by reference to Exhibit 10.1 to TDS' Current Report on Form 8-K dated April 11, 2005.
- 10.2(b)\* First Amendment to TDS Amended and Restated 2004 Long-Term Incentive Plan is hereby incorporated by reference to Exhibit 10.3 to TDS' Current Report on Form 8-K dated December 10, 2007.
- 10.2(c)\* Second Amendment to TDS Amended and Restated 2004 Long-Term Incentive Plan is hereby incorporated by reference to Exhibit 10.4 to TDS' Current Report on Form 8-K dated December 10, 2007.
- 10.2(d)\* Third Amendment to TDS Amended and Restated 2004 Long-Term Incentive Plan is hereby incorporated by reference to Exhibit 10.1 to TDS' Current Report on Form 8-K dated December 22, 2008.
- 10.3\* Telephone and Data Systems, Inc. 2011 Long-Term Incentive Plan is hereby incorporated by reference to Exhibit 10.1 to the TDS Current Report on Form 8-K dated January 13, 2012.
- 10.4(a)\* TDS Supplemental Executive Retirement Plan, as amended and restated, effective January 1, 2009 is hereby incorporated by reference to Exhibit 10.1 to TDS' Current Report on Form 8-K dated August 27, 2008.
- 10.4(b)\* Amendment to the Telephone and Data Systems, Inc. Supplemental Executive Retirement Plan, is hereby incorporated by reference to Exhibit 10.2 to Telephone and Data Systems, Inc.'s Current Report on Form 8-K dated March 15, 2012.
- 10.5\* TDS' Restated Compensation Plan for Non-Employee Directors, is hereby incorporated by reference to Exhibit A to the TDS Notice of Annual Meeting of Shareholders and Proxy Statement dated April 19, 2013.
- 10.6\* TDS Bonus Deferral and Stock Unit Match Program and Election Form is hereby incorporated by reference to Exhibit 10.6 to TDS' Annual Report on Form 10-K for the year ended December 31,

2012.

- 10.7\* U.S. Cellular 2005 Long-Term Incentive Plan, as amended, is hereby incorporated by reference to Exhibit C to U.S. Cellular's Notice of Annual Meeting of Shareholders and Proxy Statement dated April 15, 2009.
- 10.8\* U.S. Cellular 2013 Long-Term Incentive Plan, as amended, is hereby incorporated by reference to Exhibit A to U.S. Cellular's Notice of Annual Meeting of Shareholders and Proxy Statement dated April 15, 2013.
- 10.9(a)\* U.S. Cellular Executive Deferred Compensation Interest Account Plan is hereby incorporated by reference to Exhibit 10.1 to U.S. Cellular's Current Report on Form 8-K dated December 10, 2007.
- 10.9(b)\* First Amendment to U.S. Cellular Executive Deferred Compensation Interest Account Plan is hereby incorporated by reference to Exhibit 10.6 to U.S. Cellular's Current Report on Form 8-K dated December 9, 2008.
- 10.9(c) Second Amendment to U.S. Cellular Executive Deferred Compensation Interest Account Plan is hereby incorporated by reference to Exhibit 10.12(c) to U.S. Cellular's Annual Report on Form 10-K for the year ended December 31, 2012.
- 10.9(d)\* Election Form for U.S. Cellular Executive Deferred Compensation Interest Account Plan is hereby incorporated by reference to Exhibit 10.12(d) to U.S. Cellular's Annual Report on Form 10-K for the year ended December 31, 2012.
- 10.10\* U.S. Cellular Form of Long-Term Incentive Plan Executive Deferred Compensation Agreement —Phantom Stock Account for officers is hereby incorporated by reference to Exhibit 10.5 to U.S. Cellular's Current Report on Form 8-K dated May 14, 2013.
- 10.11(a)\* TDS 2007 Deferred Compensation Agreement between TDS and Kenneth R. Meyers dated December 26, 2006 is hereby incorporated by reference to Exhibit 99.1 to TDS' Current Report on Form 8-K dated January 1, 2007.
- 10.11(b)\* Amendment to TDS 2007 Deferred Compensation Agreement between TDS and Kenneth R. Meyers is hereby incorporated by reference to Exhibit 10.4 to TDS Current Report on Form 8-K dated December 22, 2008.
- 10.12\* Form of TDS Corporate Officer Long-Term Incentive Plan Stock Option Award Agreement is hereby incorporated by reference to Exhibit 10.1 to TDS' Current Report on Form 8-K dated May 10, 2013.

- 10.13\* Form of TDS Corporate Officer Long-Term Incentive Plan Restricted Stock Unit Award Agreement is hereby incorporated by reference to Exhibit 10.2 to TDS' Current Report on Form 8-K dated May 10, 2013.
- 10.14\* TDS 2013 Officer Bonus Program is hereby incorporated by reference to Exhibit 10.1 to TDS' Current Report on Form 8-K dated March 6, 2013.
- 10.15\* U.S. Cellular 2013 Officer Annual Incentive Plan is hereby incorporated by reference to Exhibit 10.1 to U.S. Cellular's Current Report on Form 8-K dated July 22, 2013.
- 10.16\* Amended and Restated Guidelines for the Determination of Annual Bonus for Chairman Emeritus of TDS is hereby incorporated by reference to Exhibit 10.2 to TDS' Current Report on Form 8-K dated November 18, 2009.
- 10.17\* Form of TDS Deferred Compensation Agreement is hereby incorporated by reference to Exhibit 10.1 to TDS' Current Report on Form 8-K dated December 21, 2009.
- 10.18\* Change of Election Form for TDS Deferred Compensation Agreement is hereby incorporated by reference to Exhibit 10.2 to TDS' Current Report on Form 8-K dated December 21, 2009.
- 10.19\* Pre 2005 Form of Deferred Compensation Agreement used by TDS Telecommunications Corporation is hereby incorporated by reference to Exhibit 10.28 to TDS' Annual Report on Form 10-K for the annual period ended December 31, 2009.
- 10.20(a)\* Post 2004 TDS Telecommunications Corporation Executive Deferred Compensation Program, as amended and restated effective January 1, 2008 is hereby incorporated by reference to Exhibit 10.29 to TDS' Annual Report on Form 10-K for the annual period ended December 31, 2009.
- 10.20(b)\* First Amendment to TDS Telecommunications Corporation Executive Deferred Compensation Program dated October 8, 2008 is hereby incorporated by reference to Exhibit 10.30 to TDS' Annual Report on Form 10-K for the annual period ended December 31, 2009.
- 10.21\* Current Initial Election Form and Post 2004 Payment Election Form for TDS Telecommunications Corporation Executive Deferred Compensation Program is hereby incorporated by reference to Exhibit 10.31 to TDS' Annual Report on Form 10-K for the annual period ended December 31, 2009.
- 10.22\* Current Annual Election Form for TDS Telecommunications Corporation Executive Deferred Compensation Program is hereby

incorporated by reference to Exhibit 10.32 to TDS' Annual Report on Form 10-K for the annual period ended December 31, 2009.

- 10.23\* U.S. Cellular Form of Long-Term Incentive Plan Stock Option Award Agreement for officers is hereby incorporated by reference to Exhibit 10.3 to U.S. Cellular's Current Report on Form 8-K dated May 14, 2013.
- 10.24\* U.S. Cellular Form of Long-Term Incentive Plan Restricted Stock Unit Award Agreement for officers is hereby incorporated by reference to Exhibit 10.4 to U.S. Cellular's Current Report on Form 8-K dated May 14, 2013.
- 10.25\* Letter Agreement dated July 25, 2013 between U.S. Cellular and Kenneth R. Meyers is hereby incorporated by reference to Exhibit 10.1 to U.S. Cellular's Current Report on Form 8-K dated July 25, 2013.
- 10.26\*\* Master Service Agreement entered into by United States Cellular Corporation and Amdocs Software Systems Limited on August 17, 2010 to develop a Billing and Operational Support System ("B/OSS") with a new point-of-sale system to consolidate billing on one platform, is hereby incorporated by reference to Exhibit 10.8 to U.S. Cellular's Quarterly Report on Form 10-Q dated September 30, 2010.
- 10.27\*\* Software License and Maintenance Agreement entered into by United States Cellular Corporation and Amdocs Software Systems Limited on August 17, 2010 to develop a Billing and Operational Support System ("B/OSS") with a new point-of-sale system to consolidate billing on one platform, is hereby incorporated by reference to Exhibit 10.9 to U.S. Cellular's Quarterly Report on Form 10-Q dated September 30, 2010.
- 11 Statement regarding computation of earnings per share (included in Note 4 — Earnings Per Share in the Notes to Consolidated Financial Statements in Exhibit 13).
- 12 Statement regarding computation of ratio of earnings to fixed charges for the years ended December 31, 2013, 2012, 2011, 2010, and 2009.
- 13 Incorporated portions of 2013 Annual Report to Shareholders.
- 21 Subsidiaries of TDS.
- 23.1 Consent of Independent Registered Public Accounting Firm—PricewaterhouseCoopers LLP.
- 23.2 Consent of Independent Registered Public Accounting Firm—Deloitte & Touche LLP.



31.1	Principal executive officer certification pursuant to Rule 13a-14 of the Securities Exchange Act of 1934.
31.2	Principal financial officer certification pursuant to Rule 13a-14 of the Securities Exchange Act of 1934.
32.1	Principal executive officer certification pursuant to Section 1350 of Chapter 63 of Title 18 of the United States Code.
32.2	Principal financial officer certification pursuant to Section 1350 of Chapter 63 of Title 18 of the United States Code.
101.INS	XBRL Instance Document
101.SCH	XBRL Taxonomy Extension Schema Document
101.PRE	XBRL Taxonomy Extension Presentation Linkbase Document
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document
101.LAB	XBRL Taxonomy Extension Label Linkbase Document
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document

\* Indicates a management contract or compensatory plan or arrangement.

\*\* Portions of this Exhibit have been omitted and filed separately with the Securities and Exchange Commission as part of an application for confidential treatment pursuant to the Securities Exchange Act of 1934, as amended.

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