

EXHIBIT 1

Question 5 - Contact Persons to Work with Staff

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Question 5: Please attach a sheet designating contact persons to work with Staff on the following issues below, including each contact person's (i) name, (ii) title, (iii) mailing address, (iv) telephone number, (v) facsimile number, and (vi) e-mail address, if any.

- a) issues related to processing this application

Katherine A. Rolph
Brian M. McDermott
Swidler Berlin Shereff Friedman LLP
3000 K Street, N.W., Suite 300
Washington, D.C. 2007-5116
Telephone: (202) 424-7500
Facsimile: (202) 424-7645
karolph@swidlaw.com
bmmcdermott@swidlaw.com

and

Philip Lin
Vice President – Business Development
Sigma Networks Telecommunications, Inc.
1290 Parkmoor Avenue, Third Floor
San Jose, California 95126-3449
Telephone: (408) 271-7500
Facsimile: (408) 271-7550

- b) consumer issues

Lonny J. Orona
Sigma Networks Telecommunications, Inc.
1290 Parkmoor Avenue, Third Floor
San Jose, California 95126-3449
Telephone: (408) 271-7500
Facsimile: (408) 271-7550

- c) customer complaint resolution

Lonny J. Orona
Sigma Networks Telecommunications, Inc.
1290 Parkmoor Avenue, Third Floor
San Jose, California 95126-3449
Telephone: (408) 271-7500
Facsimile: (408) 271-7550

- d) technical and service quality issues

Scott Young
Sigma Networks Telecommunications, Inc.
1290 Parkmoor Avenue, Third Floor
San Jose, California 95126-3449
Telephone: (408) 271-7500
Facsimile: (408) 271-7550

- e) "tariff" and pricing issues

Philip Lin
Sigma Networks Telecommunications, Inc.
1290 Parkmoor Avenue, Third Floor
San Jose, California 95126-3449
Telephone: (408) 271-7500
Facsimile: (408) 271-7550

- f) 9-1-1 issues

Philip Lin
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San Jose, California 95126-3449
Telephone: (408) 271-7500
Facsimile: (408) 271-7550

- g) security/law enforcement

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Facsimile: (408) 271-7550

EXHIBIT 2

**Certificate of Incorporation and
Certificate of Authority to Transact Business in Illinois**

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "SIGMA NETWORKS TELECOMMUNICATIONS, INC." IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE FIFTH DAY OF MAY, A.D. 2000.

AND I DO HEREBY FURTHER CERTIFY THAT THE FRANCHISE TAXES HAVE NOT BEEN ASSESSED TO DATE.



A handwritten signature in cursive script, reading "Edward J. Freel".

Edward J. Freel, Secretary of State

3222510 8300

001231018

AUTHENTICATION: 0422515

DATE: 05-05-00

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF INCORPORATION OF "SIGMA NETWORKS TELECOMMUNICATIONS, INC.", FILED IN THIS OFFICE ON THE THIRD DAY OF MAY, A.D. 2000, AT 4:30 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



A handwritten signature in cursive script, reading "Edward J. Freel".

Edward J. Freel, Secretary of State

3222510 8100

001226812

AUTHENTICATION: 0422504

DATE: 05-05-00

CERTIFICATE OF INCORPORATION
OF
SIGMA NETWORKS TELECOMMUNICATIONS, INC.

FIRST: The name of the Corporation is Sigma Networks Telecommunications, Inc.

SECOND: The address of the Corporation's registered office in the State of Delaware is 1209 Orange Street, City of Wilmington, County of New Castle, Delaware 19801. The name of the Corporation's registered agent at such address is The Corporation Trust Company.

THIRD: The purpose of the Corporation is to engage in any lawful act or activity for which corporations may be organized under the General Corporation Law of the State of Delaware.

FOURTH: The total number of shares of all classes that the Corporation shall have authority to issue is 10,000 shares, par value \$0.01 per share, to be issued as shares of Common Stock.

FIFTH: Except as otherwise required by law or expressly provided in this Certificate of Incorporation, each share of Common Stock shall entitle the holder thereof to one (1) vote of each matter submitted to a vote of the stockholders.

SIXTH: The name and mailing address of the incorporator of the Corporation are as follows:

<u>Name</u>	<u>Address</u>
Melanie J. Bosman	3000 K Street, N.W. Suite 300 Washington, D.C. 20007

SEVENTH: In furtherance and not in limitation of the powers conferred by statute, the Board of Directors is expressly authorized to make, alter or repeal the By-Laws of the Corporation, subject to any specific limitation on such power provided by any By-Laws adopted by the stockholders.

EIGHTH: Elections of directors need not be by written ballot unless the By-Laws of the Corporation so provide.

NINTH: The Corporation is to have perpetual existence.

TENTH: The Corporation reserves the right to amend, alter, change or repeal any provision contained in this Certificate of Incorporation, in the manner now or hereafter prescribed by statute, and all rights conferred upon the stockholders herein are granted subject to this reservation.

ELEVENTH: A. A director of the Corporation shall not be personally liable to the Corporation or its stockholders for monetary damages for breach of fiduciary duty as a director, except for liability (i) for any breach of the director's duty of loyalty to the Corporation or its stockholders, (ii) for acts or omissions not in good faith or that involve intentional misconduct or a knowing violation of law, (iii) under Section 174 of the General Corporation Law of the State of Delaware, or (iv) for any transaction from which the director derived an improper personal benefit. If the General Corporation Law of the State of Delaware is amended to authorize corporate action further eliminating or limiting the personal liability of directors, then the liability of a director of the Corporation shall be eliminated or limited to the fullest extent permitted by the General Corporation Law of the State of Delaware, as so amended. Any repeal or modification of this Section A by the stockholders of the Corporation shall not adversely affect any right or protection of a director of the Corporation existing at the time of such repeal or modification.

B. Each person who was or is made a party or is threatened to be made a party to or is or was involved in any action, suit, or proceeding, whether civil, criminal, administrative or investigative (hereinafter a "proceeding"), by reason of the fact that he or she or a person of whom he or she is the legal representative is or was a director, officer or employee of the Corporation or is or was serving at the request of the Corporation as a director, officer, employee or agent of another corporation or of a partnership, joint venture, trust or other enterprise, including service with respect to employee benefit plans, whether the basis of such proceeding is alleged action in an official capacity as a director, officer, employee or agent or in any other capacity while serving as a director, officer, employee or agent, shall be indemnified and held harmless by the Corporation to the fullest extent authorized by the General Corporation Law of the State of Delaware as the same exists or may hereafter be amended (but, in the case of any such amendment, only to the extent that such amendment permits the Corporation to provide broader indemnification rights than said law permitted the Corporation to provide prior to such amendment), against all expense, liability and loss (including attorneys' fees, judgments, fines, ERISA excise taxes or penalties and amounts paid or to be paid in settlement) reasonably incurred or suffered by such person in connection therewith and such indemnification shall continue as to a person who has ceased to be a director, officer, employee or agent and shall inure to the benefit of his or her heirs, executors and administrators; provided, however, that except as provided in Section C of this Article Eleventh with respect to proceedings seeking to enforce rights to indemnification, the Corporation shall indemnify any such person seeking indemnification in connection with a proceeding (or part thereof) initiated by such person only if such proceeding (or part thereof) was authorized by the Board of Directors. The right to indemnification conferred in this Section B shall be a contract right and shall include the right to be paid by the Corporation the expenses incurred in defending any such proceeding in advance of its final disposition; provided, however, that if the General Corporation Law of the State of Delaware requires, the payment of such expenses incurred by a director or officer in his or her capacity as a

director or officer (and not in any other capacity in which service was or is rendered by such person while a director or officer, including without limitation, service to an employee benefit plan) in advance of the final disposition of a proceeding, shall be made only upon delivery to the Corporation of any undertaking by or on behalf of such director or officer, to repay all amounts so advanced if it shall ultimately be determined that such director or officer is not entitled to be indemnified under this Section B or otherwise.

C. If a claim under Section B of this Article Eleventh is not paid in full by the Corporation within thirty days after a written claim has been received by the Corporation, the claimant may at any time thereafter bring suit against the Corporation to recover the unpaid amount of the claim and, if successful in whole or in part, the claimant shall be entitled to be paid also the expense of prosecuting such claim. It shall be a defense to any such action (other than an action brought to enforce a claim for expenses incurred in defending any proceeding in advance of its final disposition where the required undertaking, if any is required, has been tendered to the Corporation) that the claimant has not met the standards of conduct that make it permissible under the General Corporation Law of the State of Delaware for the Corporation to indemnify the claimant for the amount claimed, but the burden of proving such defense shall be on the Corporation. Neither the failure of the Corporation (including its Board of Directors, independent legal counsel or stockholders) to have made a determination prior to the commencement of such action that indemnification of the claimant is proper in the circumstances because he or she has met the applicable standard of conduct set forth in the General Corporation Law of the State of Delaware, nor an actual determination by the Corporation (including its Board of Directors, independent legal counsel or stockholder) that the claimant has not met such applicable standard of conduct, shall be a defense to the action or create a presumption that the claimant has not met the applicable standard of conduct.

D. The right to indemnification and the payment of expenses incurred in defending a proceeding in advance of its final disposition conferred in this Article Eleventh shall not be exclusive of any other right that any person may have or hereafter acquire under any statute, provision of the Certificate of Incorporation, By-Law, agreement, vote of stockholders or disinterested directors or otherwise.

E. The Corporation may purchase and maintain insurance or furnish similar protection, including, but not limited to, providing a trust fund, letter of credit or self-insurance, at its expense, to protect itself and any director, officer, employee or agent of the Corporation or another corporation, partnership, joint venture, trust or other enterprise against any expenses, liability or loss, whether or not the Corporation would have the power to indemnify such person against such expense, liability or loss under the General Corporation Law of the State of Delaware.

F. The Corporation may, to the extent authorized from time to time by the Board of Directors, grant rights to indemnification, and rights to be paid by the Corporation the expenses incurred in defending any proceeding in advance of its final disposition, to any agent of

the Corporation to the fullest extent of the provisions of this Article Eleventh with respect to the indemnification and advancement of expenses of directors, officers and employees of the Corporation.

THE UNDERSIGNED, being the incorporator hereinbefore named, for the purpose of forming a corporation pursuant to the General Corporation Law of the State of Delaware, makes this Certificate, hereby declaring and certifying that the facts herein stated are true, and accordingly has hereunto set her hand and seal this 3rd day of May, 2000.



Melanie J. Bosman

State of Illinois Office of The Secretary of State

Whereas, APPLICATION FOR CERTIFICATE OF AUTHORITY TO TRANSACT BUSINESS IN THIS STATE OF SIGMA NETWORKS TELECOMMUNICATIONS, INC. INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE HAS BEEN FILED IN THE OFFICE OF THE SECRETARY OF STATE AS PROVIDED BY THE BUSINESS CORPORATION ACT OF ILLINOIS, IN FORCE JULY 1, A.D. 1984.

Now Therefore, I, Jesse White, Secretary of State of the State of Illinois, by virtue of the powers vested in me by law, do hereby issue this certificate and attach hereto a copy of the Application of the aforesaid corporation.

In Testimony Whereof, I hereto set my hand and cause to be affixed the Great Seal of the State of Illinois, at the City of Springfield, this 15TH day of JUNE A.D. 2000 and of the Independence of the United States the two hundred and 24TH



Jesse White

Secretary of State

SUBMIT IN DUPLICATE!

Jesse White, Secretary of State
Department of Business Services
Springfield, IL 62756
Telephone (217) 782-1834
http://www.sos.state.il.us

This space for use by Secretary of State

FILED

JUN 15 2000

JESSE WHITE
SECRETARY OF STATE

This space for use by
Secretary of State

Date 6-15-00
License Fee \$
Franchise Tax \$ 25.00
Filing Fee \$ 75.00
Penalties \$ 100.00
Approved:

Payment must be made by
certified check, cashier's check,
Illinois attorney's check, Illinois
C.P.A.'s check or money order,
payable to "Secretary of State."

1. (a) CORPORATE NAME: Sigma Networks Telecommunications, Inc. *KK*

(Complete item 1 (b) only if the corporate name is not available in this state.)

(b) ASSUMED CORPORATE NAME: _____
(By electing this assumed name, the corporation hereby agrees NOT to use its corporate name in the transaction of business in Illinois. Form BCA 4.15 is attached.)

2. (a) State or Country of Incorporation: Delaware

(b) Date of Incorporation: May 3, 2000

(c) Period of Duration: Perpetual

3. (a) Address of the principal office, wherever located: 1290 Parkmoor Ave., 3rd Floor, San Jose,
California 95126-3449

(b) Address of principal office in Illinois:
(if none, so state) None

4. Name and address of the registered agent and registered office in Illinois.

Registered Agent C T Corporation System
First Name Middle Name Last Name

Registered Office c/o C T Corporation System, 208 S. La Salle Street
Number Street Suite #

6110-4844 Chicago 60604 Cook
City ZIP Code County

5. States and countries in which it is admitted or qualified to transact business: (Include state of incorporation)
Delaware.

6. Names and residential addresses of officers and directors:

Name	No. & Street	City	State	ZIP
President	<u>See attached list of officers</u>			
Secretary	<u>See attached list of officers</u>			
Director	<u>See attached list of directors</u>			
Director	_____			
Director	_____			

If more than 3, attach list

7. Purpose or purposes proposed to be pursued in transacting business in this state:

(If not sufficient space to cover this point, add one or more sheets of this size.)

The purpose of the corporation is to engage in any lawful act or activity for which corporations may be organized to do business under the General Corporation Law of the state of Delaware and permitted under the Illinois Business Corporation Act.

044

8. Authorized and issued shares:

Class	Series	Par Value	Number of Shares Authorized	Number of Shares Issued
Common Stock	(No series)	\$0.01	10,000	100

9. Paid-in Capital: \$ 1.00

("Paid-in Capital" replaces the terms Stated Capital & Paid-in Surplus and is equal to the total of these accounts.)

- 10. (a) Give an estimate of the total value of all the property* of the corporation for the following year: \$ 500,000,000
- (b) Give an estimate of the total value of all the property* of the corporation for the following year that will be located in Illinois: \$ 50,000,000 090829
- (c) State the estimated total business of the corporation to be transacted by it everywhere for the following year: \$ 67,000,000
- (d) State the estimated annual business of the corporation to be transacted by it at or from places of business in the State of Illinois: \$ 1,500,000

11. Interrogatories: (Important — this section must be completed.)

- ** (a) Office or offices to which all contracts with the corporation are forwarded for final acceptance: Office: 1290 Parkmoor Ave., 3rd Floor, San Jose, California 95126-3449.
- (b) Number of shares of all classes owned by residents of Illinois: 0
- (c) Number of shares of all classes owned by non-residents of Illinois: 100
- (d) Is the corporation transacting business in this state at this time? No
- (e) If the answer to item 11(d) is yes, state the exact date on which it commenced to transact business in Illinois:

12. This application is accompanied by a certified copy of the articles of incorporation, as amended, duly authenticated, within the last ninety (90) days, by the proper officer of the state or country wherein the corporation is incorporated.

13. The undersigned corporation has caused this statement to be signed by its duly authorized officers, each of whom affirms, under penalties of perjury, that the facts stated herein are true. (All signatures must be in **BLACK INK**)

Dated May 16, 2000 Sigma Networks Telecommunications, Inc.
 (Month & Day) (Year) (Exact Name of Corporation)

attested by John Peters by Philip Lin
 (Signature of Secretary or Assistant Secretary) (Signature of President or Vice President)

John F. Peters, Secretary Philip Lin, Vice President
 (Type or Print Name and Title) (Type or Print Name and Title)

* PROPERTY as used in this application shall apply to all property of the corporation, real, personal, tangible, intangible, or mixed without qualifications.

** When the response to #11(a) lists ONLY an Illinois address, then the total business as reflected in #10(c) is also considered to be Illinois business for the purpose of computing the Illinois allocation factor. By signing this application, the corporation affirms that it is aware that the amount of paid-in capital, and consequently the amount of license fees and franchise taxes, may be proportionately higher due to the Illinois address shown under #11(a).

SIGMA NETWORKS TELECOMMUNICATIONS, INC.

OFFICER/DIRECTOR RIDER

Directors:

Douglas Hickey 1290 Parkmoor Avenue, 3rd Floor
San Jose, CA 95126-3449

Reed Hundt 1290 Parkmoor Avenue, 3rd Floor
San Jose, CA 95126-3449

Andrew Rachleff 1290 Parkmoor Avenue, 3rd Floor
San Jose, CA 95126-3449

Officers:

John K. Peters ✓ President, Secretary, and Treasurer ✓ 1290 Parkmoor Ave., 3rd Floor
San Jose, CA 95126-3449 ✓

Sherri L. Bakos Vice President of Sales 1290 Parkmoor Ave., 3rd Floor
San Jose, CA 95126-3449

Phillip Lin Vice President of Business Development 1290 Parkmoor Ave., 3rd Floor
San Jose, CA 95126-3449

Patrick Sullivan Vice President and CIO 1290 Parkmoor Ave., 3rd Floor
San Jose, CA 95126-3449

Lonny J. Orona Vice President of Customer Support and Network Operations 1290 Parkmoor Ave., 3rd Floor
San Jose, CA 95126-3449

Scott Young Vice President of Network Development 1290 Parkmoor Ave., 3rd Floor
San Jose, CA 95126-3449



To all to whom these Presents Shall Come, Greeting:

I, Jesse White, Secretary of State of the State of Illinois, do hereby certify that

SIGMA NETWORKS TELECOMMUNICATIONS, INC., INCORPORATED IN THE STATE OF DELAWARE AND LICENSED TO TRANSACT BUSINESS IN THIS STATE ON JUNE 15, 2000, APPEARS TO HAVE COMPLIED WITH ALL THE PROVISIONS OF THE BUSINESS CORPORATION ACT OF THIS STATE RELATING TO THE PAYMENT OF FRANCHISE TAXES, AND IS AT THIS TIME A FOREIGN CORPORATION IN GOOD STANDING AND AUTHORIZED TO TRANSACT BUSINESS IN THE STATE OF ILLINOIS*****

In Testimony Whereof, I, hereto set my hand and cause to be affixed the Great Seal of the State of Illinois, this _____ **19TH**
day of _____ **JUNE** **A.D.** _____ **2000** .



Jesse White

SECRETARY OF STATE

EXHIBIT 3

Resumes of Key Personnel

EXHIBIT 3

Resumes of Key Personnel

MANAGERIAL QUALIFICATIONS:

JOHN K. PETERS, CHIEF EXECUTIVE OFFICER

Mr. Peters is the founder and CEO of Sigma Networks Telecommunications, Inc., a facilities-based provider of broadband, Internet Protocol-based metropolitan area network services. Prior to Sigma Networks Telecommunications, Inc., Mr. Peters was Executive Vice President for Concentric Network Corporation from 1995 through 1999. As EVP, he held various senior management roles leading the Operations, Engineering, Product Development, Product Management, Web Hosting Services, and Corporate Development organizations.

From 1993 to August 1995, Mr. Peters was President of Venture Development Consulting, a consulting firm specializing in new communications and information services. From 1988 to 1993, he was Vice President and Chief Operating Officer of Pacific Bell Information Services, Inc. Prior to that, Mr. Peters spent three years as Vice President of Application Services for Telestream Corporation. In 1981, he co-founded Integrated Office Systems, Inc., a communications and information systems company. From 1976 to 1980, Mr. Peters was Vice President of Advanced Network Services for GTE Telenet Communications Corporation.

He has an M.B.A. from Stanford Graduate School of Business and a B.S. degree in statistics from Stanford University. Mr. Peters serves on the board of directors for Turnstone Systems, FusionOne Corporation and is President of the Stanford Graduate School of Business Alumni Association board of directors.

SHERRI L. BAKOS, VICE PRESIDENT – SALES

Ms. Bakos is Vice President of Sales for Sigma Networks Telecommunications, Inc. She brings an excellent understanding of the market opportunity and how to ensure Sigma's position as the preferred access provider in the metropolitan area market. Ms. Bakos is well versed in the "areas to watch for" and she has a unique ability to identify and recruit talented sales professionals to her team.

Prior to Sigma Networks Telecommunications, Inc., Ms. Bakos was Regional Vice President for Level 3 Communications. At Level 3, she influenced all aspects of the business for her region, including business development, facilities, network deployment, strategic alliances, product marketing, project management and alternate channels. Ms. Bakos developed her Region's sales and support team 'from scratch'. Under Ms. Bakos' leadership, her region led the country in revenues generated as well as gaining the highest number of targeted, new customer accounts.

From 1994 through 1998, Ms. Bakos was employed by MFS Communications, the largest CLEC in the world, which became MFS/Worldcom in 1997. Ms. Bakos held various Sales positions at MFS/Worldcom, including Vice President/General Manager of Western Region Global Accounts. Ms. Bakos was a Global Account Manager for BT from 1990 through

1993 and was consistently recognized as a top performer. Prior to BT, she was employed by Tymnet, a McDonnell Douglas Company, from 1988 - 1989 as a Senior Account Manager. Ms. Bakos was a key member of the McDonnell Douglas Field Service Company team from 1985-1988, as a Regional Manager selling computer maintenance contracts on mainframe and mini computers.

Ms. Bakos began her career in Sales at Selecterm, where she sold end user peripherals to Fortune 500 accounts. She attended San Jose State University with an emphasis in Marketing.

PHILIP LIN, VICE PRESIDENT- BUSINESS DEVELOPMENT

Prior to joining Sigma Networks Telecommunications, Inc. as Vice President of Business Development, Mr. Lin spent 6 years at Kluge & Company, the New York based private equity firm for John Kluge and Metromedia Company.

While there, he funded and worked closely with the founders of a number of technology and telecom companies including Metromedia Fiber Network (MFN), a leading dark fiber provider in metro markets. Mr. Lin played an active role in MFN as well as other Kluge portfolio companies, assuming responsibility for their corporate development / strategic planning functions and leading and structuring the transactions that have shaped their strategic and financial direction.

Mr. Lin's prior work experience also includes strategic planning at PepsiCo and corporate finance at Chase Manhattan. He holds a MBA from Columbia University and a BA from Cornell University.

PATRICK SULLIVAN, CHIEF INFORMATION OFFICER AND VICE PRESIDENT

As CIO of Securities America, Mr. Sullivan built-out the infrastructure required to provide a fully managed, 24x7 Internet presence for the company's brokers, and delivered the following mission-critical Internet-enabled applications: online trading, representative Web sites, client access to accounts, client trading, fully configurable daily email for reps with operational reports, account setup, and online problem resolution. These and other enhancements took Securities America from being a laggard in technology offerings to its representatives, to being an industry leader.

Prior to Securities America, Mr. Sullivan built the IS department from the ground up for MFS Datanet, a startup Data Communications Company. He successfully delivered sales force automation, usage-based billing, and network management applications while helping the company grow 500%, partially through a successful acquisition in 1994. When MFS Communications reorganized in 1995, Mr. Sullivan moved to Omaha and integrated the network and data center for the new corporate headquarters, directed the company's Internet, Intranet and Extranet strategies, coordinated standards and support across all MFS companies, and re-designed the email system for MFS', accommodating the needs of over five thousand employees.

Mr. Sullivan has a BA from San Jose State University and an MBA from the University of Nebraska at Omaha.

LONNY J. ORONA, VICE PRESIDENT – CUSTOMER SUPPORT & NETWORK OPERATIONS

Mr. Orona most recently served as the Vice President of Global Service and Support for Ciena Communications, Inc. His responsibilities included Customer Service, Technical Support,

RMA Logistics, Field Operations and Product Deployment. Ciena is a manufacturing leader of Optical Switching and DWDM products based in Maryland. Mr. Orona joined Ciena following the acquisition in March 1999 of Lightera Networks, a start-up Optical Switch manufacturer in the Silicon Valley where he was Vice President of Technical Services and Support. Prior to joining Lightera Networks, Mr. Orona served as Western Region Service and Support Director of Enterprise Business for 3Com Corporation. Mr. Orona joined 3Com in 1996 as a result of 3Com's acquisition of start-up company OnStream Networks, Inc. a manufacturer of TDM and ATM access products for the Carrier and Enterprise markets. Prior to the OnStream Networks acquisition Mr. Orona served as the Director of Worldwide Customer Support which included Field Operations, Technical Support and Product Training.

Prior to joining OnStream Networks, Mr. Orona served as the Vice President of Network Operations from 1992-95 for MFS Communications, Inc. a start-up network service provider of Local / IXC Carrier, ATM, Frame Relay and LAN Interconnect services. While at MFS, Mr. Orona was responsible for 24x7 Network Operations, Customer Service, Technical Support, and Network Service Provisioning. MFS was the "First" network service provider to deploy and offer Public ATM Services across the Nation. Prior to joining MFS Communications, Mr. Orona served as Sr. Manager of Global Network Management and Support for British Telecom N.A. responsible for 24x7 Operations and Technical Support of the Public Network carrier leased facilities, dial-up access and switching services.

SCOTT YOUNG, VICE PRESIDENT – NETWORK DEPLOYMENT

Mr. Young brings a proven track record in the design and installation of long-haul and metropolitan fiber networks throughout the United States and Canada.

Mr. Young most recently served as the Vice President of Network Implementation at AT&T Canada. His responsibilities included strategic planning, network design, outside plant engineering, inside plant engineering, construction, equipment installation, right of way, logistics and technical support.

Prior to AT&T Canada, Mr. Young served as Vice President Network Engineering and Construction for MetroNet Communications, a startup Network Service provider of local and long distance services. MetroNet was the first public company to provide ATM, Frame Relay, and Switching Services across Canada. His responsibilities included network deployment, engineering, construction and the development of all outside plant standards and products.

Prior to MetroNet Communications, Mr. Young served as the Director of Network Implementation at Brooks Fiber Communications, a Network Services provider for local voice and data services. His responsibilities included setting the standards for engineering and construction, developing a network mapping system, city fiber route design, central office design and construction.

Prior to Brooks Fiber Communications, Mr. Young served as a Program Manager with US WEST Communications. His responsibilities were to manage large projects including ISP equipment installation, network fiber design and installation.