The Granite State Connection

COMPILED BY MATTHEW J. MOWRY

t is essential that your company have the necessary resources to be effectively in touch with customers and suppliers. However, choosing a telecommunications service package that will best serve your needs can be a daunting task.

As we gathered information for our first NH Telecommunications Guide, we were surprised by the number and variety of telecommunications service providers in operation. Their sheer volume only underscores the importance of researching your options before selecting a provider.

In our guide, we have gathered not only a listing of telecommunications providers operating in NH but also information to help business owners and executives discern the difference between the various services to select ones that will best suit their needs

The service comparison chart, provided by TelecomSmart com, covers not only the equipment necessary for telecommunications services but also the advantages and disadvantages of those services

Industry experts also helped us develop a list of questions business executives should ask themselves prior to seeking out a telecommunications provider, as well as questions to ask providers to make sure their services offered will meet both current requirements and future growth.

The guide also includes an article detailing items to look for in the invoices from telecommunications providers and gives tips on how to use those bills as a management tool for your company

We have also included a glossary to help readers understand the technical language of the telecommunications industry

While we tried to be exhaustive in our efforts to create a complete list of telecommunications providers, there may be some companies that eluded our attention

If your company is not included in the provider listing and should be, please contact editor Matthew J. Mowry at 626-6354, or e-mail pnhmag@aoi.com.

TELECOMMUNICATIONS GLOSSARY

- ADSE (Asymmetrical Digital Subscriber Line) This service will of avitalephore compament of provide viceo to the home two trustedpoint elephonic lines. Its current line format is TS AMI, (Automate Mark Inversion), 16 bits to the sentral office (for portrol to change the channel) and 1,026 Most to your 1s. The distance that the suma can be transmitted over inversed pand is even use to adaptive distant filtering, which helps orded after suction and revise.
- ATM (Asynchronous Transfer Mode): An AMS (and CC T3 standard communications protocol ATM) is a name formal communications protocol whereign data in measing the and received 55 twice on obtains a time. There are 46 custome bytel (payload) and 5 bytes for control and additional data.
- Bandwidth: The difference at frequency between the fone is one channer and the pollomend. Allow I example no bandwidth is sound if you are retening to a round nutritial music looking rother the different pitches in a most circumstate of the pitches or toner or frum are actually and circumstate from a can process. The sound are accusal.
- y vibrations. Bass to les vibrale at a slow rate about 20 to 700 vibrations per service. These tones vibrate facter from 3 000 vibrations per second to 17,000 vibrations per second. The total bandwidth evibration range; that vibrations from 10 is about 17,000-20=16,080 vibrations per service. This is the range or bandwidth of turnable range from
- BISDN (Broadband Integrated Services Digital Network): The future standard of commillinications service. BISDN is working its way up to as a platform (or higher-level service), supported by and a combination of ATM, SNET, and IDSN. The idea it that with these three technologies togetrier k dustonier could have bandwidth un demand. The good thing about bandwidth or demand is that you only pay for what you use Guirently lyou can purchase a BRI or PRI from a local phone compary and they charge you a price for that service. That price is based on the fact that the service is dedicated to you 24 hours. a day 365 days a year BISDN services will be shared in the same way that long-distance diatone is today (time-share)
- Broadband, Incorporating more than one chain ellinto a communications transmission. If it is a broadbard communications profocul because it carries 24 conversations over four wire. Cable 19 in also broadband because it carries many Ty channel, over one coarial cable.
- DAL (Dedicated Access Line). A private croulf if any ploy one a direct connection for accessitio a home-distance carrier or other communications service like matter relay or an Internet scrive provider. Some DALs are a "full service circuit" which means that if you have a circuit that improcot you directly to your internet service provider then the only buily you see for that source is from the internet service provider. In elocal circuit is in the "Internet service provider shall be pay the phone bill for that service. You of course, pay a single but for the entire service if it stopt which agings "all the Internet service provider and they bettermine where the problem is and fly it."
- DDS (Digital Data Services). These services provided by the local telephone company, the long-distance carrier or the competitive

- access provider arc point-to-point digital condecrions. The bandwicth capacities range from 2,400 bps to 56 ktps cor nections. Typical applications include remote LAN access, ordine ordering processing, and internet access.
- Dark Fiber: A fiber-optic cable that is installed in a telephone company's cutside plant network, but has no electronics connected to in Sometimes cushomers like to lease or buy rights to use can fiber and connect their own electronics to it in a point to point or no application.
- Frame Relay: A service from telecommunication companies, as well as a protocol for trainsmitting data over MAN or WAN networks a hales as low 64 Kbm to as high as 2,40ss. Frame relay is a packer-switching frenhology. As data is sent from a computer to a train enday interface the frame relay equipment breaks the data stream down into manageable pieces. Frame relay sin wices come with a 0 P (Committee Importance to CIR is the rate kbs or Most har a communications company will guarantee over a trainer relay circuit that they provide to their customer. If you purchase a frame-relay unright interier is a

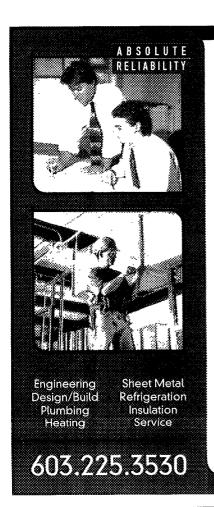












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place on the order agreement that you state the rare of intormation that you want to transmit. The choices are 16Kbs, 32Kbs 48Kbs, and 74Kbs. If you enter 32Kbs to your committee information rate, you will pay more for, your service than the 16Kbs CIR. You have the capability to trainsmit and are permitted to transmit at rates up to the full 64Kbs unless the frame-relay network becomes congested, then only your committee rate of 32kbs will get through. This is similar to purchasing the use of lanes on the freeway in the treeway has few cars traveling on it, then there is no selise in buying the right for multiple lanes because no one is using them anyway if the freeway is congested then you are getting your money's worth with your lanes right. You never know how congested a frame-relay network with be lor when and where bottlenecks will occur in the network

- · HDSL (High Bit-Rate Digital Subscriber Line): A type of Ti. An HDSL T1 can be transmitted up to 20 000 feet on twisted-pair copper wire before it needs to be repeared/regenerated. The smaller the wire (the larger the gauge; the better HDSF works 24 gauge is optima 19 gauge reduces the distance that HDSL can transmit
- ISDN (Integrated Services Digita: Network) ISDN is a service that first evolved -- 1979. It brings the features ct PBX systems and high speed data-transfer capacility to the telephone network. The only thing that makes ISDN complicated is the many available features. The two kinds of ISDN lines are Primary Rate Interface (PRI) and Basic Rate Interface (BRI). Two types of channels are contained within an ISDN circuit. The B (bearer) channel carries the customer's communications, and a D (data, channel provides control and signaling for the Bichannels. The BRI ISDN line has two Bichannels and one Dichannel IA PR! has 23 Bichannels and one Dichannel. The separate control or the ISUN line over the Diphannel is what enables the board flexibility and teatures available with ISDN. When you are talking or sending a data transmission over an ISDN line the voice and/or data is carried by the E channels. While you are talking on your ISDN line, you can still dial digits (signal the central office) to change or after the state of your service behause of the separate Dichannel. For example imagine you want to a range a meeting with a client. You dial the dire it site ephone number on your ISD", telephore to reach the client. While you are speaking with the client you can did: up an Internet access on your computer and plit two baseball trokets in all the ricket counter using the same phone and Al. of this occurs while talking to your Ultern the entire turne
- Kbps (Kilobits Per Second): 1 000 bits per second
- Mbps (Megabits Per Second): Followaters to a min I on bits per second. We'n ory and data transferred per unit of time is measured in bits. Memory storage is it easilited in bytes. The difference in appreviations is that bits are lower case (b) and bytes are uppercase (B)
- Megabyte: One million bytes Ivlegal's appreviated "M and bytes are apprel atec. P. Sixtee : riegabilities is equal to 16 mil. or bytes and would be abbleviated 16 MB
- Megahertz: One multion he t. Sixteen MHz is equal to 16 million Hz (Hertz is another word for cycles in racke filequenuy)
- * T1. A standard 1 544 Mbs carrier system used to transport 24 telephone lines or various broadband services from one point to another. This the standard carrier for the United States, Canada, Japan, and Singapore, All other countrics use E1 standard (30 channels on four wires). The Talis a four-wire circuit, two wires for transmit and two wires for receive. The T1 line voltage is 135%. The T1 circuit can carry voice or data. Its use determines the variables of T1 service framing format and line format
- . WAN (Wide Area Network); A network or computers or computing devices connected by telephone lines that extend beyond an area code's service area. An example of a WAN application is a computer that accesses another computer in another state to access information. Popular ways to: computers to connect over long distances are by using a dial-up modern a frame relay circuit an ATM circuit an ISDN circuit or a 56 K leased the There are advantages and disadvantages to each of these services (which are offered by long distance phone telephone companies.

(Glossary terms provided by Auditer.)

ASSESSING YOUR COMPANY'S TELECOM NEEDS

Before calling a telecommunications provider, the decision makers at a business should set down and conduct a self-assessment of the company's needs Executives should examine their telecommunication service requirements in light of the company's presence in the local or global market

Companies should evaluate their voice needs, such as dial tone, long distance or 800 services.

They also need to explore what data needs they have such as slow, medium or high speed data access, whether they need Internet access or point-to-point

Businesses should examine ahead of time not only what their current needs are for voice and data services but also their potential future needs

Businesses should also review any existing telecommunication contracts they may have to see what exactly they are getting at what price

Business executives also need to determine what traits they desire in a telecommunications provider reliability, the ability to conduct e-commerce, technical support, price of product, redundancy of network, the provider's ability to grow with your company, the ability to offer different applications (wireline Vs. wireless options); and the time frame for providing services.

When it comes to voice services, examine whether a flat or measured local service would be most beneficial to your company

Here is a list of questions business owners and executives should be ready to ask telecommunications providers when shopping around for the best service to meet their business needs.

- 1 What types of services do you offer?
- 2 What is your experience in the local market?
- 3 Do you have a list of customers I may contact for references?
- 4 Where is your tocal sales support team?
- 5 Where is your local technical support team?
- 6 What do you have for juture technology deployment plans?
- 7 Do you have an example of the reliability or redunaancy of your network?
- Do you offer remote monitoring and maintenance of your/our network?
- 9 Can you host and manage my Internet applications?
- 111 De vou plan to retain a local presence and investment strategy?
- 11 How involved are you in the community"
- 12 Where does your company offer service?
- 3 How long will it take to switch over and/or provide service

The questionnaire was developed with the assistance of Verizon and Choice One Communications

Do You Feel Confused?

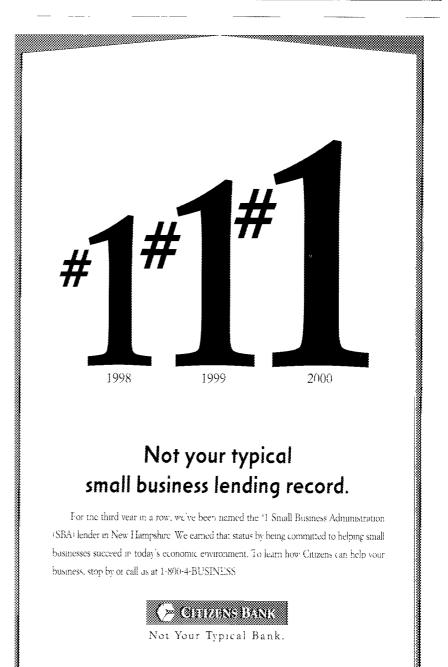
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TELECOMMUNICATIONS ACCESS/SERVICE TYPE COMPARISONS The chart compares the advantages and disadvantages of different

ACCESS TYPE	EQUIPMENT	DELIVERY VIA	BANDWIDTH	TARGET MARKET	ADVANTAGES
ADSL	Modern	Telephon- Lare	1 54 Mbps-128 Kbbs	Residential, home office, and telecommuters	Fast always-on connection incided to dial up Ideal for home users and telecommuters. Up to 1,000 times faster Internet connection than dial up. No need for additional phone lines luses can surf the Internet and talk at the same till Equipment and monthly tee is inexpensive.
SDSL	Made n Router Hut	Telephone Line	160 Khas-1 54 Mbps	Small and medium businesses	Static IP addresses Fast latways on connection invineed to dialityp Notineed for additional phone lines, user can surfitte internet and talk at the same fit Bandwidth is easy to upgrade Bload range of bandwidth options from 160 Kops to 1,544 Mbps (7-1). Equipment is the coensive Upstream/downstream bandwidth is symmetrical excellent for busitiess use
IDSL		Telephone Line	128 Kbps-144 Kbps	Small business and home office	Fast, always on connection, no need to dial up Static IP addresses No toli charges Equipment is inexpensive
Dial-Up ISDN	Modem	Telephone Line	126 kbps	Residential and home office	Avoitable at most overywhere Fasy to install Equipment is retailively inexpensive Stallul Pladdresses
Dedicated ISDN	Route: Modern	Telephone Line	128 Kbps	Small business and home office	Available almost everywhere Easy to install Always-on connection his need to dial ut- Eduipment is relatively inexpensive Static IP addresses
Frame Relay	Rhare CSU/NSU Hat	Tu optione Eine	56 Kaps-45 Mbps	Small, medium and large businesseu	Available almost everywhere Static IP addresses Always, on Johnest on, no nevicite dial up Broad range of speeds available from 156 Kups-45 Mtrps, T-0
Point-to-Point T-1	Router CS1/DSU Hd0	Telephone Erne	56 Khps-45 Mous	Smail, med હતા સંપંતિ large businesses	Very revable fast always-on connection no need to diation Private connection dedicated Connection quality very high Static IP addresses
Diai-Up	∔4odem	Telephone Ende	Commonly 28 8 Pt 6 or \$6 Keps	Residential and home office	Available a most everywhere mexpens vellorite bundled with PCs No cout vi806 numbers for access Easy service upgraded
Wireless	Sate lite (microwave) dish	Wire ass notem	Up to 15Mbps	Small and medium businesses	Stand IP addresses Can be a less-expensive solution than trame relay or point-fo-point Fast, always-on connection, no need to diat up No local roop charges apply
Cable	Modern or Ethe het card	Coaxiel cap'e	512 Ktips-52 Mbps	Residential and home office	Fast, always-on connection, no need to diat up the benefits set up, edition—rit and monthly chargo. More readily available than IPSE.













s types and the target market for each.

BISADVANTAGES

Mor avariable in all locations distance sensitive Upstream/pownstream bandwidth is asymmetrical cannot handle heavy internet usage for upstream applications Not suitable for businesses, not suitable for LANS Must be at least 18,000 feet from the central office

fuct available in a filocations idistance sensitiv∈ Musiliberat leasing (000 test from the central office Network enumeer to liser up is recommended

Network engineer for set up is recommended Not available in all locations, distance sensitive Must be under 26,000 feet from the central office

fighte expensive that dial up Speed limited to 128 Kills own ompared to DSI Carl be spage based 'potentially expensives

More expensive than DSL Speed limited to 128 K, slow compared to DSL Can be usage based (potentially expensive)

Expensive equipment lissts after iset up and monthly charge Complicated set up require- 5 network engineer Local popularge apply

Complicated set up requires a network engineer Local loop charges apply Expensive equipment installation set up and monthly charges

May be slow mater i5% chersubscribe flia -up deage ⊰hreirab ∈

Can be usage that ed 'puter trailly expensive; Carinor usy Internel and releption elementaries usity, perional fine would duuble the monthly nost

Not available in most areas Environmental conditions can affect quality of transmission

Upstream/downstream-pandvridth scasynimetrica: Not suitable to it in chosed inot suitable for I ANs Edulphier finust be leased usually hollided it mionithly tea Slower connections with increased burn ber ct users over a shared line 🚟 Chart into mation oburtesy or Telecomsmart com-



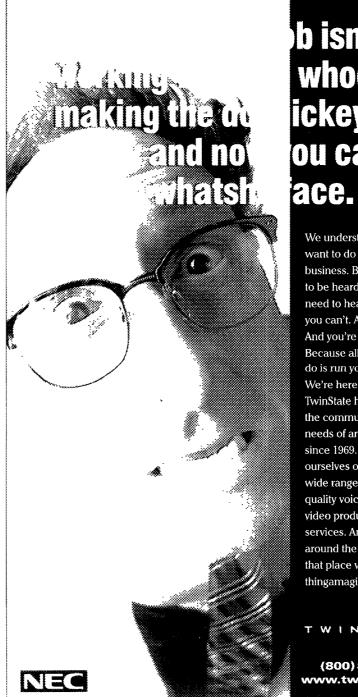




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NH TELECOMMUNICATIONS GUIDE

TRUTH IN BILLING

Using Phone Bills as a Management Tool BY LINDSAY SHEARER

ave you ever opened your phone bill to find you have unknowingly switched long distance carriers, or been charged for unidentified items on the bill? Called "slamming"

and "cramming" respectively, these are the two most common complaints received by the FCC each year. And, fraudulent telemarketers are targeting small businesses with their schemes. According to the FCC, these telemarketers use tactics like calling to verify the business address, or posing as your regular local or long-distance company and asking if you are satisfied with your service. They then use the recorded "yes" answer as authorization to bill you for additional services or to change your phone company.

The FCC has recently enacted new rules and regulations to help combat these practices. According to the new Truth-In-Billing Guidelines, the FCC now requires telephone service providers to produce thorough, accurate and understandable bills to consumers. The basic regulations state that telephone bills must:

- · Be clearly organized
- · Highlight any new providers
- · Contain full and non-misleading descriptions of charges
- Clearly provide the name of the service provider associated with each charge on the invoice
- Prominently display a toll-free number in order to inquire about or dispute any charge on the bill
- · Clearly differentiate between those charges, that if not paid, could terminate basic telephone service and those charges, that if not paid, would not terminate basic service (i.e. line charges vs. paging charges).

Although the FCC made some suggestions, such as using colored ink, different

fonts or type sizes and summary page identification, they let the carners determine how to satisfy these obligations in order to meet the carrier's needs and the needs of their customers.

In addition to the FCC regulations, consumers should be expecting more from their telephone bills. With the technology available to providers today, companies should be able to use their telephone bills as a management tool. Can you determine if there are outbound long distance calls being made while your business is closed? Do you know where your inbound traffic is coming from in order to determine who is responding to your marketing campaign and then be able to target your efforts more effectively?

You should be able to expect free management reports, both in lists and in graphic form Some of the more useful reports include most frequently called area codes. numbers, or cities; the most expensive calls; or the area codes, numbers and cities that call most frequently; or the most expensive incoming toll-free numbers. Many compames can provide your business with outbound usage by line, time of day, or day of the week. These reports can help you to manage your staffing patterns more effectively, evaluate your marketing initiatives, or evaluate job performance of employees.

In addition, if your phone company does not now provide online billing information, you should ask them what their plans are for implementing this useful service in the future. Or ask if they can provide all of your services on one monthly bill, regardless of how many lines, locations or services (local, long distance or Internet service) you may have. After all, it's not your grandfather's old phone company anymore.

Lindsay Shearer is public relations manager of Lightship Telecom, LLC in Bedford. SS







TELECOMMUNICATIONS PROVIDERS

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- NH Eucation Consold
- Phone/Fax 225-3304/228-3308
- F-mail_nhsales@adeiphia.com
- · Web Address www.adelphia-abs.com
- · Parent Company Adelphia n Condersport, PA
- * Number of NH Employees 3 . Total Number of Employees
- More than 2,000 Coverage Area Statewide
- · Gross Annual Sales MA
- . Services Provided ATM Dedicated ISDN Dial-up ISDN, Frame Relay Local Phone Service, Long Distance Phone Service Point-to-Point/T-1 Internet Services to Businesses

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- Prone/Fax 634-4200/644-5700
- E-ma . sales@alliance-core com
- · Web Address
- www a liance-core com-• Number of NH Employees, 15
- Total Number of Employees 15
- · Coverage Area, NH, northern MA
- Gross Ănnua, Sales N/A
- · Services Provided Frame Relay Point-to-Point/T 1 Internet Services

AT&T

- NH Focation Dover
- Headquarters, New York, NY
- Phone/Fax (800) 222-0400/ 644-2002
- F-mai, errocker@attooni
- Web Address www.at.com/nusiness
- Number of NH Employees 230
- Total Number of Engloyees 160,000
- ◆ Coverant Area Gluba
- · Gross A qua: Sales \$62 billion
- · Services Provided ADSL ATM Cable Dedicated ISDN Dial-Up Dial ut ISD's Frame Relay IDSI Local Phone Service, Long Distance Phone Service Pager Service. Point-to-Point/1-1 SDs. Wireless, Video Conferencing

AT&T WIRELESS

- NE Location Duve
- Phorie/Fax 897 2300/897 230°
- . Web Address, www attws com-• Paient Company, AT&T in
- Redmond Wash Number of NH Employees N/A
- Total Number of Employees IN-A
- Coverage Area Nationwide
- Gross Annual Sales N/A
- · Services Provided Wireless

BAYRING COMMUNICATIONS

· Headquarters, Portsmouth



- Phone/Fax 766-1000/766-1050
- € E-mail_dave@bayring.com-
- . Web Address, www.bayring.com • Number of NH Employees 100
- . Total Number of Employees, 100
- Coverage Area, NH seacoast area
- · Gross Annual Sales IN/A
- . Services Provided ADSL Dedicated ISDN Dial-up Dial-up ISDN, DSL Local Phone Service Long Distance Phone Serv ce Foint-to-Point/T-1 SDSL, Dark Fiber, Oc-location Services

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- NH Location Becroid
- Phone/Fax (800) 394-7700/ 669-1026
- E-mail agony@ctchet.cum
- . Web Address, www.ctcnet.com
- · Pare it Company, CTC Communications, Waltham Mass
- Number of NH Employees 30
- Total Number of Employees 700
- Coverage Area, New England New York and V d Atlantic States
- Gross Annual Sales \$150 million
- · Services Provided ATM Dedicated ISDN Dial- ip ISDN, Frame Relay Local Phone Service Long Distance Phone Service, Point-to-Point/T-1 Internet Web Hosting F-ma, Internet Services

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- · Services Provided Dia -Up Local Phone Service ong Distance Phone Service T1 SDSL, Web Hosting, Web Design

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- Frone/Fax 626-1344/€26-8862
- * E-mall gallen@ onversant.com ■ Web Address
- www.conversaritium · Palent Company, Conversant Communications (Marlboro
- Number of NH: Employees, 39
- Total Number of Employees 500 . Cove age Area, NH, Mass
- Conn RI, NY Maine Gross Annuai Sales IN/A

b

· Services Provided Dial-Up, IDSL Local Phone Service Long Distance Phone Service Point to Point/T 1 Sasi

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- Phone/Fc). (800) 349-4736/ (800) 566-7466
- E-ma I nío⊚mednet com
- · Web Address www.cfsmednet.com
- Number of NH Employees 8
- Total Number of Emp oyees 8
- · Coverage Area, NH . Gross Annual Sales \$1.5 m. Iron
- · Services Provided ADSL Decicated ISDN, Dial up ISDN Frame Refay IDS. Loca Phone Service Long Distance Phone Service Point-to-Point/T-1 SDSL. Wireless Video Conferencing

DATEK

- · Headquarters: Candia
- Phone/Fax 483-8700/483-8251
- E-mail sist@aol.com • Web Address
- www.datel.telecom.com
- · Number of NH Employees 8
- . Total Number of Employees 8
- Coverage Area NH MA
- · Gross Annual Sales N/A · Services Provided ADSL ATM Cable, Dedicated ISON, Drai-Up. Dial-up SDN, Frame Relay 18SL Local Phone Service, Long Distance Phone Service Point-to-Point/1-1 SDSL Wireless Voice and Data Cabling Phone Systems

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- · NH -readquarters Ossipee
- Phone/Fax 536-7070/539-8080
- E-mail info@cig edge com
- Web Address, www.digledge.com
- . Ni mber of NH Employees, N/A
- · Total Number of Employees, N/A
- · Coverage Area, National • Gross Annual Sales IN/A
- · Services Provided Web Site Hosting E-commerce Interact Marketing, Web Design and maintenance laterne. Services

DINSMORE COMMUNICATIONS

- * NH Headquarters Seabtook
- * Phone/Fax 474-7770/474-72(if)
- €-mail ddinsmore@dinsmore.com
- · Web Address, www.dinsmore.com
- ▼ Yumber of NH Employees 120
- ▼ Total Number of Employees 140
- . Coverage Area, New England . Gress Annual Sales, \$15 million . Services Provided Cable Wire-

voice/data/video intrastructure **FAIRPOINT COMMUNICATIONS** SOLUTIONS

 NH Locations Lebarun Manchester

ess, Video Conferencing,

Phone/Fa> 448-5688 448-5216(Lebanon)

- 221-2001/222-9302 (Manchester)
- · E-mail into@fairpoint.com
- · Web Address www fairpoint com-· Parent Company Fairpoint Communications Inc in Charlotte.
- Number of NF Employees, SO
- Total Number of Employees = 400
- Coverage Area Lebanon,
- Manchester and surrounding areas Gross Annual Sales N/A
- · Services Provided Dial-Up, Local Phone Service Long Distance Phone Service, Point to Point/7 1

FOCAL POINT COMMUNICATION

- · NF Locations Rocheste-Seaprook
- Phor e/Fax (800) 887-64687 4/4-2668
- Number of NE Employees 9
- Total Number of Employees, 9. Coverage Area Southern NH southern Maine, North Shore or
- Mass
- Gross Annual Sales \$750,000 · Services Provided Wireless

CRACECOM TELECOMMUNICATIONS OF NH, INC.

- NH Headquarters Internmack
- ₱none/Fax 424-0800 cr (877) 833-1440/424-4343
- E-mail johaw@gracegroup.com;
- · Web Address
- www.gracegroup.com
- Number of NH Employees 15
- Tota Numbe of Employees 15 · Coverage Area, NH, nortries
- Mass leastern Vt. Western Maine
- Gross At-hua: Sales \$2.2 million Services Provided Diar-Up Local Phone Service Long Distance Phone Service Point-to-Point/T-1 SDSL Wireless, Video Conferencing Telephone Systems, Voice Mail Overhead Haging, Voice and Data

- Phone/Fax 529 9911/528 1020
- gramitestaterelephone com
- Web Address www.granitestatetelephone.com
- Coverage Area Chester East
- Deering Hillsboro Upper Village Washington, Weare, Windson
- Diat-up ISDN Lova Phone Service Long D stance Phor e Service Pagor Services Point to-Point/T-1

HOSPITALITY COMMUNICATIONS

- NH Headquarters, Fedicing
- Phone/Fax 64, 2480/64/ 0111
- E-mail imbradroid@ n-c-g com cun-
- Web Address www.r ∪ g com-
- Number of NH Employees 3
- Total Number of Employees, 3
- Coverage Area, New Enuland . Gross Annual Sales \$400,000
- · Services Provided ADSL ATM Diar-Up, Frame Relay Legal Phone Service Long Distance Phone Service Point-19-26 m, I-1 SOSI

IDEACOM INTEGRATED TECHNOLOGIES, INC.

Wireless, Videu Coriferencing

- . NH Headquarters. St atham.
- Phone/Fax 778-1763/772-7160
- E-mail_rick_little@ideacomit.com
- Web Address N/A
- Number of NH Employees 23 • Tutal Number of Employees 23 Coverage Area N⊢ Maine
- Vt Mass
- · Gress Annual Sales \$2 million · Services Provided ADS . ATV Dedicated ISDN Frame Relay Local Phone Service Long Distance Phone Service Point-to-Foirt/1-1 SDSL Wireless Equipment Consulting Services CLEC Services

- INDUSTRIAL COMMUNICATIONS
- N# Location, Peinam
- Phone/Fax _34-1940/655-2610 • E-mail isalea@≒iduscar nom
- Wet Address inclissors com-• Parer t Company Industria, Com
- nunications in Varshfield Mass
- Number of NH Empluyees, 2 • Total Number of Employees, 108 . Suverage Area, Southeaster - NH
- souther Vaine eastern

VIASS F

· Gross Almual Sales, Nyr. Services Provided, virieless Microrola Two-way Radios Nextel Big fai Planes Sprim PCS Service

FIRet ASAP by @Road INTERNET SERVICES OF NEW

- HAMPSHIRE
- * Headquarters, Merrimack Phone/Fax (800, P79, 1813) 424-9577
- F-mail ad min®isone net . Web Address, www.spne.net Parent Company, knowled in
- Messimack • Number of NH Employees :
- Total Number of Employees 4 Coverage Area Mationwide Gross Annual Sales \$178,900

· Services Provided Dial Up

Dial-up ISDN Pager Services

Internet Services





- GRANITE STATE TELEPHONE · NH Heacquartirs, South Weard
- £-mail info@
- Number of NH Employees, 70 Totai Number of Eniployees, 70.
- · Gross Annual Sales \$62 billion Services Provided ADSL Dia -Up





24 FEBRUARY 2001 BUSINESS NH MAGAZINE

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- NH Eduation Bedforo
 Phone/Fax (877 548-7447 o. 314, 2000)
- E-mait into@lightship net
- Web Address
 www.lightshit.net
- Farent Company Head quarters. Fort Washington
- Number of Mili Employees as
- Total Number of Employees 17*
 Coverage Areal NH IMaine Null Moss Pall Vt. and sool-De aware and NH
- · Gross Armuai Sales, N/A
- Services Provings ATM, bedinated ISDN Frame Relay IDSH Focal Prinne Service Jong Distance Phone Service Jong Distance Phone Service Provided Conference of Flexbath Centres IBSN Frams Web Houting Final Hostina

LIGHTYEAR COMMUNICATIONS

- ricaddi arters Man hester
 Pishle/Fax
- 622-6750/672 4 466
- Filmadi chuckaQ lightyeartur...uch
- Web Address
 www.lightyearcom.com
- Number of NH Employees
- Total Number of Emproyees 700
- Coverage Area
 Nationwide
- · Grass Annual sales N/A
- Services Provided AFM
 Dial-up Frame Relay Toria
 Phose Service Long
 Disance People Service
 Lint-ty-Point Till Mideo
 Conterenting Interest
 Fervices

MCT TELECOM

- Nationeasia parters
 Contropiona
 Phyrie/Fax → 46~ 20011
- 7.55 456,
- E-mail mau@mnte nom
- Viet Andress
 vivi mitteleugh con-
- * Unities of NH Employees 90
- Foral Fumber of Employees, 96
 Goverage Alea Couth and
- * Gross Anni a Salec \$15

million:

 Services Provided ADSI ATM Cable Decidated
 ISDN, Dial Upi Dial-upi ISDN Frame Fieldy IDSI Local Phone Service Long Distancy Phone Service Pointer-uping Centrey Pomer Business Systems

MARITIME TELEDATA LLC

- NH Location, Portsmouth
- Fit one-Fax (207)
 363-7070/(207) 363-1153
- F ma sales@m-comn com
- Web Address
 Tecomolicom
- Farent Company
 Maritime Communications
 ri York Mair e
- Number of NH Employees
- Fortal Number of Employees €
- Cove age Area, New Frigiany!
- Gross Arinual Sales
 \$950,000
- Services Privided ADSL ATM, Cabic Ledicated ISON Plai-Up Diat-up ISON Plai-Up Diat-up ISON Plaint Relay IDSL Local Phort Service Long Distance Prior Service Pager Services Point-to-Fortrol 1 SOSL Wireless Video Conferencing Comparied Wiring Voice Mail IEP CTI.

MULTICOM

- NH Headquarters Gilford
- Phone/Fax
 524 2965/527-1334
- 524 2965/527-1334 • E-mail
- roblenu@world.con.
 Number of NH Employees
- Total Number of Eniployees i6
- Ocherage wheal New England
- Grussiannich Sales Nya
 Services Provided Cable
 Dial-Up Loop Phone
 Service Long Distance
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- F-mail info@nwp.com
- Web Address
- www.networknlus.com
- · Parent Company, Network Pilus Inc. in Quincy, Mass.
- Number of NH Employees 16
- Total Number of Employees 975 · Coverage Area New England
- NY, and the southeast US • Gross Annual Sales \$152.5
- · Services Provided Local Phone Service, Long Distance Phone Service Point to Point/T-1 SDSL Voice Over DSL

Co-location, Web Hosting **NEXTEL COMMUNICATIONS**

- NH Location, North Hampton
- Phone/Fax 929-8700/929-8071
- · Web Address, www nextel com-
- · Corporate Headquarters Reston,
- Number of NH Employees 20
- Total Number of Employees 350 (New England)
- . Coverage Area, New England
- Gross Annual Sales \$3 3 billion
- · Services Provided Wireless Wireless Internet Services, Paging, Short Messaging and Direct Connect ® Two-way Radin

ONESTAR LONG DISTANCE, INC.

- NH Location, North Hampton
- Phone/Fax (800) 745-7378/

(800), 493-4119

- É-mail_teveleth@onestarid.com
- Web Address, www.oriestadd.com
- Pareri Company Unestar Long Distance Inc. Evansville rid
- Number of NH Enroloyees, 10 Total Number of Employees 244
- · Coverage Area, United States Gross Annual Sales \$59,033 445
- · Services Provided Frame Relay Local Phone Service, Ecrig Distance Phone Service Point-to-Point/T-1 Video Conferencino

PAETEC COMMUNICATIONS

- NH Location Manchester
- Phone/Fax 222-9000/222-2308
- E-mail steve richard@paetec.com
- · Web Address, www.paetec.com
- Parent Company Headquarters Fairport NY
- Number of NH Employees 17
- · Total Number of Employees 1.000_{\pm}
- . Coverage Area, Nationwide
- · Gross Annual Sales N/A · Services Provided Frame
- Re ay Local Phone Service

Long Distance Phone Service SDSL Dedicated Internet

SAETEC. INC

- · NH Headquarters Lebanon
- Phone/Fax 443-9777/443-9888
- E-maii info@saeteciricmi . Web Address, www.saetec.com
- Number of NH Employees 7
- Total Number of Employees
- Coverage Area, Worldwide
- · Gross Annual Sales \$35 million
- Services Provided ADSL. ATM, Dedicated ISDN: Frame Relay IDSI I ocal Phone Service Long Distance Phone Service Point-to-Point/T1 SDSL Dedicated Internet Access up to OC-48

STAR CELLULAR

- NH Locations Dover Rochester
- Phone/Fax 742-9293/ (800) 346-9172
- E-mail
- starcellular@starcellular.com
- · Web Address

- www.starcell.ilar.com Parent Company, RCC
- Alexandria, Minn · Number of NH Employees 9
- Total Number of Employees 50
- Coverage Area Strafford County, NH air d York County Мане
- · Gross Annual Sales N/A
- · Services Provided. Wireless

TTLC INTERNET & IT SOLUTIONS

- NH Headquarters Dover • Phone/Fax (877) 677-8852/ 742-1887
- E-mai saies@ttlc.net
- · Web Address, www.ttlc.net
- . Number of NH Employees, 26
- . Total Number of Employees 26 • Coverage Area, NH, Maine Mass
- · Gross Annual Sales \$2.2 million
- · Services Provided ADSL. Dial-Up, Dial-up ISDN Frame Relay, Point-to-Point/1-1 SDSL Computer Networking Virtual IT Staffing



TELECOMMUNICATION SYSTEMS OF NH. INC. (TSNH)

- · NH Headquarters, Wilton
- Phone/Fax 654-9911/654-9901
- E-mail N/A
- · Web Address N/A
- Number of NH Employees, 22
- Total Number of Employees, 22.
- · Coverage Area Lyndeborough Hollis Wilton
- . Gross Annual Sales, N/A
- · Services Provided ADS: Dedicated ISDN: Dial up Local Phone Service, Long Distance Phone Service Pager Services

THIRD RAIL AMERICAS, INC.

· NH Headquarters, Nashua

Point-te-Point/1-1

- Phone/Fax 881-5:51/881 7272
- E-mar, greg prescott@ third rail bef.
- · With Address, www.thiid-rail.net
- Number of MFEmp ovecs, 30
- Total Number of Employees 30
- · Coverage Area, Wireless Broad band Service - statewide consulting services - global
- Gross Annual Sales N/A
- · Services Provided Broadband Wireless Managed Networks Internet Acress Broadband Network Design and integration and Declayment Consulting Services Limited internet

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- * Phone/Fax 528-7717/528 2010
- Finial: Barretth®+ net
- Well Address IN/4
- Number of NH Employees 1
- Total Number of Employees 3
- * Soverage Area USA-Continenta
- Gross Annual Salec 1.74
- · Services Provided Dedinated ISDN Dial up ISDN Frame Relay Lonal Phone Service Tung Distance Phone Salvice Promito-Pulmit-Wireless 1-1 Internet Services

TURNPIKE TECHNOLOGIES

- NH Headquarters Lebandr
- 7888-791-0158
- E-mai: admin'@tpl-riet
- . Were Address living tok het
- Number of NH Employees &
- Total Number of Employeen 10.
- 65 renage Area, NH, parts of vit
- € Gross Annia Sale- N/A
- Services Provided Lied cated ICON Dial-up Dial up IGDN Frame Relay IDS: Point to Point T-4 SDGL, Wireless Co-Location Web Histing

21ST CENTURY CELLULAR

- · Headquarters Hanover
- Etione, Fax 643 0009/N/A

- crll21sthanover@junc.com
- Web Address, www 2 feeli com * Number of NH Employees, S
- Total Number of Employees 3
- · Coverage Area, NH and southern Vt.
- Gross Ánnual Sales N/A
- Services Provided Pager Services Wireless

TWINSTATE VOICE.DATA.VIDEG.INC.

- * 'vHildpatten Compord
- Phone/Fax 230-9598/230-9816 €-maii_ralph_zus nan@
- winstate com . Web Address www.twir.state.com
- · Company Headquarters Mor sonville NY
- Number of NH Employees 4
- Lota Number of Employees 55+ Coverage Area NH Vr wect
- Mairle homem N Y
- . Gross Annual Sales, \$8 million
- Services Prevideo ATM Cab € Frame Relay Wireless Telecommunications

Fourtment/Service

UCOM

- * NH location Marichester Concord, Nashual and Portsmouth
- Phone/Fax (877) 265-JCOM/ (207) 856-2393
- € E-mail pcamey@ucon com • Web Address lucom com
- Parent Company NEP LLC in Westbrook Maine
- Muniper of NH Employees &
- Total Number of Employees 75
- Soverage Area, New England · Gross Annual Sales IN/A
- Services Provided Pager Services Wireless

US CELLULAR

- NH Location Bedford
- Phone/Hax 848-0000/224 02**
- F-mail M/A
- · Web Aridress N/A
- Parent Company TOS 1-lecon in-Chicago III
- Number of NH Employees 100
- Total Number of Employees IN/A
- · Coverage Area, Nationwide
- · Gross Annual Sales \$69 billion

Services Provided Wireless

VALLEYNET, INC.

- · Headquarters Hanove: Phone/Fax (802) 649-21627
- (802) 649 3637 . E-mail info@valicy net
- · Wah Address, www.vallevinct
- Number of NH Employees 4
- Total Number of Employees, 15
- Coverage Area Upper Connecticus River Valley (southitd Claremont east to Sunapeo, north to Ortord)
- Gross Annual Sales \$1 million
- · Services Provided ADSI Dedicat ed ISDM, Dial-tlp, Dial-up ISDN, SDSL Web Services

VERIZON COMMUNICATIONS

- NH : ocation. Manchester
- Phone/Fax (800) 941-9900/ (800) 854-0900
- . E mail. Visit Web page
- . Web Address, www.verizon.com
- * Parent Company, Verizon, n New York NY
- Number of NH Employees 2,500



- Total Number of Employees 250,000
- Coverace Area, Global
- · Gross Annual Sales, More than \$500 million
- · Services Provided ADSL, ATM Dedicated ISDN, Diai-Up Diai up ISON Frame Relay Local Priorie Service Long Distance Phone Ser vice Point-to-Point/T-1. Wireless. Video Conferencing, Web Hosting Network Management Internet

VIEWCOMMUNICATIONS INC.

- NH Headquarters Manchester
- Phone/Fax 621 5130/621-5129
- E mail gwiley@viewcom.com
- Web Address, www.viewcom.com.
- Number of NH Employees 12
- Total Number of Employers 12
- · Coverage Area, New England; National/International
- Gross Annuai Sales \$3 million
- · Services Provided Video Contenencing Consulting

VITTS NETWORKS

- NH Headquarters: Manchester
- Phone/Fax 656-8000/656 810.3
- E-mai: sales@vitts cm
- Web Address, www.vittsinet
- Number of NH Employees, 330
- Tota Number or Employees 350 · Coverage Area, New England
- Gross Annua Sales N/A
- · Services Provided Point to
- Point/Till, SDSL SE

