

Dakota Services, LTD.
 20825 Swenson Drive, Suite 150
 Waukesha, WI 53186
 Phone: 414.717.2000 Fax: 414.717.2010
 http://www.dslinet.com

99 JUN -1 AM 10:32
 MAIL ROOM

DEPOSIT
D144
 DATE
 JUN 01 1999

May 28, 1999

Division of Records and Reporting
 Florida Public Service Commission
 2540 Shumard Oak Blvd., Gunter Bldg.
 Tallahassee, FL 32399-0850

990700-TI

Dear Sir or Madam:

Enclosed please find for filing one (1) original and six (6) copies of two applications for an Alternative Local Exchange Carrier to provide local and interexchange services. Also, please find two checks to cover both applications in the amount of \$250.00 each.

Please acknowledge receipt of this filing by date stamping a copy of this letter and returning it in the envelope provided.

If you have any questions, please feel free to contact me at (414) 717-2000, ext. 131.

Sincerely,

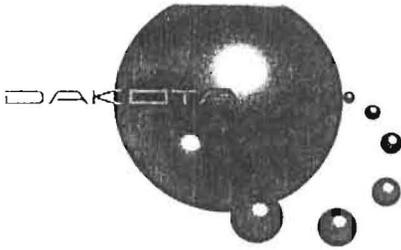
Mary Jo Grant
 Mary Jo Grant
 Regulatory Compliance Administrator

Check received with filing and forwarded to Fiscal for deposit.
 Fiscal to forward a copy of check to FEAR with proof of deposit.

Initials of person who forwarded check:

ORIGINAL

DOCUMENT NUMBER-DATE
 06786 JUN-1 99



Dakota Services, LTD.
 20825 Swenson Drive, Suite 150
 Waukesha, WI 53186
 Phone: 414.717.2000 Fax: 414.717.2010
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If you have any questions, please feel free to contact me at (414) 717-2000, ext. 131.

Sincerely,

DOCUMENT NUMBER - DATE
 06786 JUN -1 99
 FPSC-RECORDS/REPORTING

DAKOTA SERVICES, LTD.
 20825 SWENSON DR., SUITE 150
 WAUKESHA, WI 53186

US BANK
 12-10-750

5/26/99

3256

PAY TO THE ORDER OF PUBLIC SERVICE COMM OF FL
 Two Hundred Fifty Dollars And 00 Cents

\$ 250.00

DOLLARS

PUBLIC SERVICE COMM OF FL
 DIVISION OF RECORDS & REPORT
 2540 SHUMARD OAK BLVD
 TALLAHASSEE FL 32399-0850

MEMO

Gregg Lewis

Security features included. Details on back.

MP

1. This is an application for (check one):

(x) Original certificate (new company).

() Approval of transfer of existing certificate:

Example, a certificated company purchases an existing certificated company and desires to retain the authority of both certificates.

() Approval of assignment of existing certificate:

Example, a non-certificated company purchases an existing company and desires to retain the certificate of authority rather than apply for a new certificate.

() Approval of transfer of control: Example, a company purchases 51% of a certificated company. The Commission must approve the new controlling entity.

2. Name of company:

DAKOTA SERVICES LIMITED

3. Name under which applicant will do business (fictitious name, etc.):

NATIONAL DAKOTA SERVICES LIMITED CORPORATION

4. Official mailing address (including street name & number, post office box, city, state, zip code).

20825 SWENSON DRIVE, SUITE 150

WAUKESHA, WI 53186

5. Florida address (including street name & number, post office box, city, state, zip code):

c/o CT CORPORATION

1200 SOUTH PINE ISLAND ROAD

PLANTATION, FL 33324

6. Select type of business your company will be conducting (check all that apply):

APPLICANT SHALL LEASE DARK (X) **Facilities-based carrier** - company owns and operates or plans to own and operate telecommunications switches and transmission facilities in Florida.
FIBER UNES AND SHALL MAINTAIN VIRTUAL COLLOCATION FACILITIES WITH RBOC BELL SOUTH AND ILEC SPRINT. APPLICANT SHALL NOT OWN ITS OWN FACILITIES. APPLICANT SHALL NOT OWN OR OPERATE ANY OF ITS OWN LINES. () **Operator Service Provider** - company provides or plans to provide alternative operator services for IXCs; or toll operator services to call aggregator locations; or clearinghouse services to bill such calls.

() **Reseller** - company has or plans to have one or more switches but primarily leases the transmission facilities of other carriers. Bills its own customer base for services used.

() **Switchless Rebiller** - company has no switch or transmission facilities but may have a billing computer. Aggregates traffic to obtain bulk discounts from underlying carrier. Rebills end users at a rate above its discount but generally below the rate end users would pay for unaggregated traffic.

() **Multi-Location Discount Aggregator** - company contracts with unaffiliated entities to obtain bulk/volume discounts under multi-location discount plans from certain underlying carriers, then offers resold service by enrolling unaffiliated customers.

() **Prepaid Debit Card Provider** - any person or entity that purchases 800 access from an underlying carrier or unaffiliated entity for use with prepaid debit card service and/or encodes the cards with personal identification numbers.

7. Structure of organization;

- () Individual () Corporation
(X) Foreign Corporation () Foreign Partnership
() General Partnership () Limited Partnership
() Other _____

8. If individual, provide:

Name : _____

Title : _____

Address: _____

City/State/Zip: _____

Telephone No.: _____ Fax No.: _____

Internet E-Mail Address: _____

Internet Website Address: _____

9. If incorporated in Florida, provide proof of authority to operate in Florida:

- (a) The Florida Secretary of State Corporate
Registration number: _____

10. If foreign corporation, provide proof of authority to operate in Florida:

- (a) The Florida Secretary of State Corporate
Registration number: F98000002613

11. If using fictitious name-d/b/a, provide proof of compliance with fictitious name statute (Chapter 865.09, FS) to operate in Florida:

- (a) The Florida Secretary of State fictitious
name registration number: F98000002613

12. If a limited liability partnership, provide proof of registration to operate in Florida.

- (a) The Florida Secretary of State registration
number: _____

13. If a partnership, provide name, title and address of all partners and a copy of the partnership agreement.

Name : _____

Title : _____

Address: _____

City/State/Zip: _____

Telephone No.: _____ Fax No.: _____

Internet E-Mail Address: _____

Internet Website Address: _____

14. If a foreign limited partnership, provide proof of compliance with the foreign limited partnership statute (Chapter 620.169, FS), if applicable.

(a) The Florida registration number: _____

15. Provide FEID Number (if applicable): _____

16. Provide the following (if applicable):

(a) Will the name of your company appear on the bill for your services? Yes () No

(b) If not, who will bill for your services?

Name : _____

Address: _____

City/State/Zip: _____

Telephone No.: _____ Fax No.: _____

Internet E-Mail Address: _____

Internet Website Address: _____

(c) How is this information provided?

BILLING ORIGINATING FROM DAKOTA SERVICES LIMITED D/B/A

NATIONAL DAKOTA SERVICES LIMITED CORPORATION WILL CONTAIN
ALL DATA NOTED IN 16.(b) ABOVE

17. Who will serve as liaison to the Commission with regard to the following?

(a) The application;

Name : MARY JO GRANT
Title : REGULATORY COMPLIANCE ADMINISTRATOR
Address: 20825 SWENSON DRIVE, SUITE 150
City/State/Zip: WAUKESHA, WI 53186
Telephone No.: (414) 717-2000 **Fax No.:** (414) 717-2010
Internet E-Mail Address: maryjo.grant@dslnet.com
Internet Website Address: dslnet.com

(b) Official point of contact for the ongoing operations of the company:

Name : MARY JO GRANT
Title : REGULATORY COMPLIANCE ADMINISTRATOR
Address: 20825 SWENSON DRIVE, SUITE 150
City/State/Zip: WAUKESHA, WI 53186
Telephone No.: (414) 717-2000 **Fax No.:** (414) 717-2010
Internet E-Mail Address: maryjo.grant@dslnet.com
Internet Website Address: dslnet.com

(c) Complaints/Inquiries from customers:

Name : BILL GOETZ
Title : CUSTOMER SERVICE MANAGER
Address: 20825 SWENSON DRIVE, SUITE 150
City/State/Zip: WAUKESHA, WI 53186
Telephone No.: (888) 375-9750 **Fax No.:** (414) 717-2010
Internet E-Mail Address: bill.goetz@dslnet.com
Internet Website Address: dslnet.com

18. List the states in which the applicant:

(a) has operated as an interexchange telecommunications company.

WISCONSIN AND ILLINOIS. APPLICANT SOUGHT AND RECEIVED QUALIFICATION

MARCH 31, 1998, TO PROVIDE ADVANCED TELECOMMUNICATIONS SERVICES AS A FEDERAL IXC THROUGH A FEDERAL TARIFF FILED WITH THE FCC. AS OF THAT DATE, APPLICANT POSSESSED LEGAL STATUS TO PURSUE ACCESS TO UNES AND TO

(b) has applications pending to be certificated as an interexchange telecommunications company. PURSUE COLLOCATION NATION-WIDE

APPLICANT HAS APPLIED TO ALL 50 STATES AND HAS RECEIVED CERTIFICATE

OF AUTHORITY IN 43 STATES AS OF THIS APPLICATION. APPLICANT IS ON THE DOCKETS OF MICHIGAN, OHIO, COLORADO, AND CALIFORNIA.

(c) is certificated to operate as an interexchange telecommunications company.

AL, CA, CO, IL, IN, IA, KS, KY, MA, MI, MO, MT, NH, NJ, NY, OH,

SC, RI, WI (20 states total)

(d) has been denied authority to operate as an interexchange telecommunications company and the circumstances involved.

APPLICANT HAS NEVER BEEN DENIED ANY REQUESTED AUTHORITY.

(e) has had regulatory penalties imposed for violations of telecommunications statutes and the circumstances involved.

APPLICANT HAS NEVER HAD REGULATORY PENALTIES IMPOSED FOR VIOLATION OF TELECOMMUNICATIONS STATUTES.

(f) has been involved in civil court proceedings with an interexchange carrier, local exchange company or other telecommunications entity, and the circumstances involved.

APPLICANT HAS NEVER BEEN INVOLVED IN CIVIL COURT PROCEEDINGS WITH

AN INTEREXCHANGE CARRIER, LOCAL EXCHANGE COMPANY, OR OTHER TELECOMMUNICATIONS ENTITY.

19. Indicate if any of the officers, directors, or any of the ten largest stockholders have previously been:

(a) adjudged bankrupt, mentally incompetent, or found guilty of any felony or of any crime, or whether such actions may result from pending proceedings. If so, please explain.

NONE OF APPLICANT'S OFFICERS, DIRECTORS, NOR ANY OF THE TEN LARGEST SHAREHOLDERS HAVE PREVIOUSLY BEEN ADJUDGED BANKRUPT, MENTALLY INCOMPETENT, OR FOUND GUILTY OF ANY FELONY OR ANY CRIME; NOR ARE ANY SUCH PROCEEDINGS PENDING.

(b) an officer, director, partner or stockholder in any other Florida certificated telephone company. If yes, give name of company and relationship. If no longer associated with company, give reason why not.

NONE OF APPLICANT'S OFFICERS, DIRECTORS, NOR ANY OF THE TEN LARGEST SHAREHOLDERS HAVE BEEN ASSOCIATED WITH ANY OTHER FLORIDA CERTIFICATED TELEPHONE COMPANY AS AN OFFICER, DIRECTOR, PARTNER, OR STOCKHOLDER.

20. The applicant will provide the following interexchange carrier services (Check all that apply):

a. **MTS with distance sensitive per minute rates**

Method of access is FGA
 Method of access is FGB
 Method of access is FGD
 Method of access is 800

b. **MTS with route specific rates per minute**

Method of access is FGA
 Method of access is FGB
 Method of access is FGD
 Method of access is 800

c. ___ MTS with statewide flat rates per minute (i.e. not distance sensitive)

___ Method of access is FGA

___ Method of access is FGB

___ Method of access is FGD

___ Method of access is 800

d. ___ MTS for pay telephone service providers

e. ___ Block-of-time calling plan (Reach Out Florida, Ring America, etc.).

f. ___ 800 service (toll free)

g. ___ WATS type service (bulk or volume discount)

___ Method of access is via dedicated facilities

___ Method of access is via switched facilities

h. x Private line services (Channel Services)
(For ex. 1.544 mbs., DS-3, etc.)

i. ___ Travel service

___ Method of access is 950

___ Method of access is 800

j. ___ 900 service

k. ___ Operator services

___ Available to presubscribed customers

___ Available to non presubscribed customers (for example, to patrons of hotels, students in universities, patients in hospitals).

___ Available to inmates

l. Services included are:

___ Station assistance

___ Person-to-person assistance

___ Directory assistance

___ Operator verify and interrupt

___ Conference calling

21. Submit the proposed tariff under which the company plans to begin operation. Use the format required by Commission Rule 25-24.485 (example enclosed).

PLEASE SEE EXHIBIT "A"

22. Submit the following:

A. Financial capability. PLEASE SEE EXHIBIT "B"

The application must contain the applicant's audited financial statements for the most recent 3 years. If the applicant does not have audited financial statements, it shall so be stated.

The unaudited financial statements must be signed by the applicant's chief executive officer and chief financial officer affirming that the financial statements are true and correct and must include:

NOTE: This documentation may include, but is not limited to, financial statements, a projected profit and loss statement, credit references, credit bureau reports, and descriptions of business relationships with financial institutions.

Further, the following (which includes supporting documentation) must be provided:

1. A written explanation that the applicant has sufficient financial capability to provide the requested service in the geographic area proposed to be served.
2. A written explanation that the applicant has sufficient financial capability to maintain the requested service.
3. A written explanation that the applicant has sufficient financial capability to meet its lease or ownership obligations.

B. Managerial capability; give resumes of employees/officers of the company that would indicate sufficient managerial experiences of each.

PLEASE SEE EXHIBIT "C"

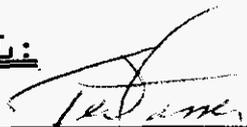
C. Technical capability; give resumes of employees/officers of the company that would indicate sufficient technical experiences or indicate what company has been contracted to conduct technical maintenance.

PLEASE SEE EXHIBIT "D"

**** APPLICANT ACKNOWLEDGEMENT STATEMENT ****

1. **REGULATORY ASSESSMENT FEE:** I understand that all telephone companies must pay a regulatory assessment fee in the amount of .15 of one percent of the gross operating revenue derived from intrastate business. Regardless of the gross operating revenue of a company, a minimum annual assessment fee of \$50 is required.
2. **GROSS RECEIPTS TAX:** I understand that all telephone companies must pay a gross receipts tax of two and one-half percent on all intra and interstate business.
3. **SALES TAX:** I understand that a seven percent sales tax must be paid on intra and interstate revenues.
4. **APPLICATION FEE:** I understand that a non-refundable application fee of \$250.00 must be submitted with the application.

UTILITY OFFICIAL:

	<u>05/27/99</u>
Signature	Date
TED LASSER	
PRESIDENT AND CEO	(414) 717-2000
Title	Telephone No.
DAKOTA SERVICES LIMITED	
Address: 20825 SWENSON DRIVE, SUITE 150	(414) 717-2010
WAUKESHA, WI 53186	Fax No.

ATTACHMENTS:

- A - CERTIFICATE TRANSFER OR ASSIGNMENT STATEMENT
- B - CUSTOMER DEPOSITS AND ADVANCE PAYMENTS
- C - INTRASTATE NETWORK
- D - CURRENT FLORIDA INTRASTATE SERVICES
- E - AFFIDAVIT
FLORIDA TELEPHONE EXCHANGES AND EAS ROUTES
GLOSSARY

**** APPENDIX B ****

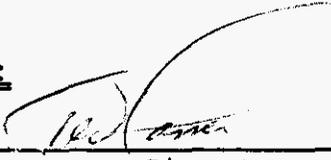
CUSTOMER DEPOSITS AND ADVANCE PAYMENTS

A statement of how the Commission can be assured of the security of customer deposits and advance payments may be responded to in one of the following ways (applicant please check one):

- (X) The applicant will not collect deposits nor will it collect payments for service more than one month in advance.

- () The applicant intends to collect deposits and/or advance payments for more than one month's service and will file and maintain a surety bond with the Commission in an amount equal to the current balance of deposits and advance payments in excess of one month. (The bond must accompany the application.)

UTILITY OFFICIAL:

	<u>05/28/89</u>
Signature	Date
TED LASSER	
<u>PRESIDENT AND CEO</u>	<u>(414) 717-2000</u>
Title	Telephone No.
DAKOTA SERVICES LIMITED	
Address: <u>20825 SWENSON DRIVE, SUITE 150</u>	<u>(414) 717-2010</u>
<u>WAUKESHA, WI 53186</u>	Fax No.

**** APPENDIX C ****

CURRENT FLORIDA INTRASTATE SERVICES

Applicant has () or has not (X) previously provided intrastate telecommunications in Florida.

If the answer is has, fully describe the following:

- a) What services have been provided and when did these services begin?

- b) If the services are not currently offered, when were they discontinued?

UTILITY OFFICIAL:



Signature

TED LASSER

PRESIDENT AND CEO

Title

05/28/99

Date

(414) 717-2000

Telephone No.

Address: 20825 SWENSON DRIVE, SUITE 150

WAUKESHA, WI 53186

(414) 717-2010

Fax No.

**** APPENDIX D ****

AFFIDAVIT

By my signature below, I, the undersigned officer, attest to the accuracy of the information contained in this application and attached documents and that the applicant has the technical expertise, managerial ability, and financial capability to provide interexchange telecommunications service in the State of Florida. I have read the foregoing and declare that, to the best of my knowledge and belief, the information is true and correct. I attest that I have the authority to sign on behalf of my company and agree to comply, now and in the future, with all applicable Commission rules and orders.

Further, I am aware that, pursuant to Chapter 837.06, Florida Statutes, "Whoever knowingly makes a false statement in writing with the intent to mislead a public servant in the performance of his official duty shall be guilty of a misdemeanor of the second degree, punishable as provided in s. 775.082 and s. 775.083."

UTILITY OFFICIAL:

 _____ Signature	<u>05/23/89</u> Date
TED LASSER PRESIDENT AND CEO _____ Title	<u>(414) 717-2000</u> Telephone No.
Address: <u>20825 SWENSON DRIVE, SUITE 150</u> <u>WAUKESHA, WI 53186</u> _____	<u>(414) 717-2010</u> Fax No.

**Exhibit "A" ILLUSTRATIVE TARIFF – REGULATIONS AND SCHEDULE OF
CHANGES FOR LOCAL EXCHANGE WITHIN THE STATE OF
FLORIDA**

Issued: 5/28/99

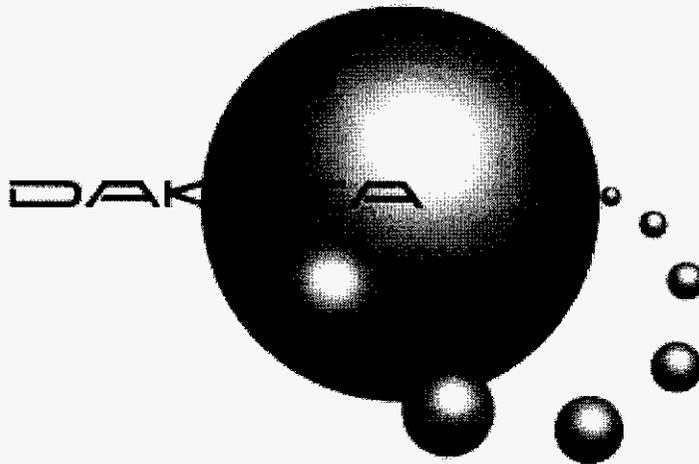
Effective:

Issued By:

Mary Jo Grant, Regulatory Compliance Administrator
Dakota Services Limited
20825 Swenson Drive, Suite 150
Waukesha, WI 53186
v. (414) 717-2000
f. (414) 717-2010

NATIONAL DAKOTA SERVICES LIMITED CORPORATION
REGULATIONS AND SCHEDULE OF CHARGES FOR
INTEREXCHANGE SERVICES
WITHIN THE STATE OF FLORIDA

ILLUSTRATIVE



Proposed Effective Date: 6/28/99

Effective:

Docket No.:

Issued By: Dakota Services Limited
20825 Swenson Drive, Suite 150
Waukesha, WI 53186

CHECK SHEET

The Title Leaf and Leaves 1 through 21, inclusive, of this tariff are effective as of the date shown.* The revised leaves listed below contain all changes from the original tariff that are in effect on the date shown.

<u>Leaf</u>	<u>Number of Revision</u>
1	Original
2	Original
3	Original
4	Original
5	Original
6	Original
7	Original
8	Original
9	Original
10	Original
11	Original
12	Original
13	Original
14	Original
15	Original
16	Original
17	Original
18	Original
19	Original
20	Original
21	Original

* All material in this tariff is new.

Proposed Effective Date: 6/28/99

Effective:

Docket No.:

Issued By: Dakota Services Limited
20825 Swenson Drive, Suite 150
Waukesha, WI 53186

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Waukesha, WI 53186

PARTICIPATING CARRIERS

None

EXPLANATION OF SYMBOLS

- R - to signify a rate reduction
- I - to signify a rate increase
- C - to signify a changed regulation
- T - to signify a change in text but no change in a rate or regulation
- S - to signify a reissued matter
- M - to signify a matter relocated without change
- N - to signify a new rate or regulation
- D - to signify a discontinued rate or regulation
- Z - to signify a correction
- N/A - to signify a non-active service

Proposed Effective Date: 6/28/99

Effective:

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20825 Swenson Drive, Suite 150
Waukesha, WI 53186

1. GENERAL INFORMATION

This tariff contains the regulations and rates applicable to the provision of Service by Dakota Services, Ltd. This tariff is not applicable to non-common carrier services or to services that are not jurisdictionally interstate.

2. REGULATIONS

2.1 Definitions

For the purpose of this Tariff, the following definitions will apply:

Advance Payment: Part or all of payment required before start of Service.

Application for Service/Service Application/Service Order: Standard Company order form(s) which in total includes all pertinent billing, technical and other descriptive information which will enable the Company to provide Service.

Authorized User: A person, firm, corporation or other entity (including Customer) that either is authorized by the Customer to receive or send communications or is placed in a position by the Customer, either through acts or omissions, to send or receive communications.

Business Applicant: A Business Applicant is any entity or individual who applies for Service under this Tariff whose primary use of the Service will be of a business, professional, institutional, or otherwise occupational nature.

Business Customer: A Business Customer is a Customer who subscribes to the Company's Service(s) and whose primary use of the Service is of a business, professional, institutional, or otherwise occupational nature.

Business Service: A Service is classified as Business Service where the use is primarily or substantially of a business, professional, institutional, or otherwise occupational nature. Where the business use, if any, is incidental and where the major use is of a social or domestic nature, Service is classified as Residential Service if installed in a residence. See also definition of Residential Service.

Proposed Effective Date: 6/28/99

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2. REGULATIONS (con't)

2.1 Definitions (con't)

Cancellation of Order: A Customer initiated request to discontinue processing a Service Order, either in part or in its entirety, prior to its completion. Cancellation charges will be assessed for each Circuit-end or Dedicated Access line cancelled from an order prior to its completion by Company, under the following circumstances: (1) if the Local Access Provider has confirmed in writing to the Company that the Circuit-end or Dedicated Access line will be installed; and/or (2) if the Company has already submitted facilities orders to an interconnecting telephone company; and/or (3) in accordance with Section 2.4.1 Cancellation charges will be assessed for each Circuit comprising Interexchange Service subject to a Cancellation of Order in accordance with Section 2.

Channel or Circuit: A dedicated communications path between two or more points.

Communication Services: The Company's interstate private line interexchange Services.

Company: Dakota Services, Ltd., the issuer of this Tariff.

Customer: The person, firm, corporation, governmental unit or other entity (including the successors and assigns of such entities) which orders Service -- either for its own use as a resale carrier or as a non-profit manager of a sharing group -- and which is responsible for the payment of charges and for compliance with Company Tariff regulations.

Customer Premises/Customer's Premises: Locations designated by a Customer where Service is originated/terminated whether for its own communications needs or for the use of third parties.

DSL: Dakota Services, Ltd. (the Company).

DUC: Designated Underlying Carrier.

Expedite: A Service Order that is processed at the request of the Customer in a time period shorter than the Company standard Service interval.

Fiber Optic Cable: A thin filament of glass with a protective outer coating through which a light beam carrying

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2. REGULATIONS (con't)

2.1 Definitions (con't)

communications signals may be transmitted by means of multiple internal reflections to a receiver, which translates the message.

Installation: The connection of a Circuit, Dedicated Access Channel, or port for new, changed or an additional Service.

Interexchange Service/(IXC): Interexchange Service means that portion of a Channel or Circuit between a Company designated Point-of-Presence in one exchange and a Company designated Point-of-Presence in another exchange.

Interruption: A condition whereby the Service or a portion thereof is inoperative beginning at the time of notice by the Customer to the Company that such Service is inoperative and ending at the time of restoration.

Joint User: A person, firm, or corporation that is designated by the Customer as a User of Services furnished to the Customer by Dakota Services, Ltd. and to whom a portion of the charges for the Service will be billed under a Joint User Arrangement as specified herein.

Nonrecurring Charges: One-time charges relevant to Service.

Payment Method: The manner in which the Customer is authorized by the Company to pay charges for Service.

Private Line: A Channel or Circuit dedicated to a particular customer without regard to actual use.

Recurring Charges: The monthly charges to the Customer for Services, facilities and equipment, that continue for the agreed upon duration of the Service.

Residential Applicant: A Residential Applicant is any individual who applies for Service under this Tariff whose primary use of the Service will be of a social or domestic nature.

Residential Customer: A Residential Customer is one who subscribes to the Company's Service(s) and whose primary use of the Service(s) is of a social or domestic nature.

Proposed Effective Date: 6/28/99

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Issued By: Dakota Services Limited
20825 Swenson Drive, Suite 150
Waukesha, WI 53186

2. REGULATIONS (con't)

2.1 Definitions (con't)

Residential Service: Service is classified as Residential Service where the use is primarily of a domestic or social nature. Where the business use, if any, is incidental and where the major use is of a social or domestic nature, Service is classified as Residential Service if installed in a residence.

Restore: To make Service operative following an Interruption by repair, reassignment, re-routing, substitution of component parts, or otherwise, as determined by the carrier(s) involved.

Service: Service means any or all telecommunications service(s) provided to or obtained by Customer, any Authorized User or third party from the Company which is described in this Tariff as modified from time to time.

Service Commencement Date: The first day following the date on which the Company notifies the Customer that the requested service or facility is available for use, unless extended by the Customer's refusal to accept Service that does not conform to standards set forth in the Service Order or this Tariff, in which case the Service Commencement Date is the date of the Customer's acceptance. The Company and Customer may mutually agree on a substitute Service Commencement Date.

Service Order: The written request for Services executed by the Customer and the Company in the format devised by the Company. The signing of a Service Order by the Customer and acceptance by the Company initiates the respective obligations of the parties as set forth therein and pursuant to this Tariff, but the duration of the Service is calculated from the Service Commencement Date.

Shared: A facility of equipment system or subsystem that can be used simultaneously by several Customers.

User or End User: A Customer, Joint User, or any other person authorized by a Customer to use Service provided under this Tariff.

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2.2 Undertaking of the Company

2.2.1 Scope: The Company undertakes to provide Service in accordance with the terms and conditions set forth in this tariff and any Service Agreement executed by the Customer.

2.2.2 Availability of Service

(A) Service is available twenty-four (24) hours per day, seven (7) days per week, subject to transmission, atmospheric, topographic and like conditions.

(B) Service is subject to the availability of suitable facilities. The Company reserves the right to limit the length of communications or to discontinue furnishing Service because of (i) the lack of transmission medium capacity, (ii) the need to perform maintenance, modifications, upgrades, relocations or other similar activities necessary for the provision of Service or (iii) any cause beyond its control.

(C) The Company reserves the right to arrange for Service to be furnished through the facilities of another entity when necessary.

2.2.3 Liability of the Company

(A) Except as stated in this Section 2.2.3, the Company shall have no liability for damages, including without limitation direct, consequential, special, incidental or indirect damages, arising out of or related to events, acts, rights or privileges contemplated in this tariff.

(B) The liability of the Company for damages arising out of mistakes, interruptions, omissions, delays, errors or defects occurring in the course of establishing, furnishing, rearranging, changing, or terminating Service under this tariff, and not caused by the failure or negligence of

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2.2 Undertaking of the Company (con't)2.2.3 Liability of the Company (con't)

the Customer, shall in no event exceed either (i) an amount equivalent to the proportionate charges the Company would assess the Customer for the period of Service during which such mistakes, interruptions, omissions, delays, errors or defects occur, or (ii) the monthly fee relating to the Service, whichever is less. No other liability in any event shall attach to the Company.

- (C) The Company shall not be liable for any failure of performance hereunder due to causes beyond its control, including but not limited to acts of God, fire, flood or other catastrophes; any law, order, regulation, directive, action or request of the United States Government, or any other government, including federal, state and local governments having jurisdiction over the Company, or of any department, agency, commission, bureau, corporation or other instrumentality of any one or more of said governments, or of any civil or military authority; any national emergencies, insurrections, riots, wars; or any labor difficulties.
- (D) The Company shall not be liable for any act or omission of any other entity furnishing to the Customer equipment, facilities or service used with the Service furnished in this tariff; nor shall the company be liable for any damages or losses due to the failure or negligence of the Customer or due to the failure of Customer-provided equipment or facilities.
- (E) The Company is not liable for any damages, including usage charges, the Customer may incur as a result of the unauthorized use or the misuse of the Service. This unauthorized use or misuse includes, but is not limited to, the unauthorized use or misuse of Service by the Customer's employees, third parties,

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2.2.3 Liability of the Company (con't)

or the public. The Company does not warrant or guarantee that it can prevent unauthorized use or misuse.

- (F) There is no express or implied warranty or condition, whether of merchantability, fitness for a particular purpose or otherwise, to the extent applicable, with respect to the Service provided by the Company.

2.2.4 Claims

- (A) The Company shall be indemnified and saved harmless by the Customer from and against all loss, liability, damage and expense, including reasonable counsel fees, due to (A) claims for libel, slander, invasion of privacy, or infringement of copyright in connection with the material transmitted over the Company's Service or facilities; (B) claims for infringement of patent arising from the combination, connection or use of the Company's equipment, facilities or Service with Customer-provided equipment, facilities or services; and (C) any other claim resulting from any act or omission of the customer or patron(s) of the Customers relating to the use of the Company's Service or facilities.

- (B) The Company and Customer shall mutually agree all claims, actions, or proceedings arising in connection with the Service shall be governed by the laws of the State of Wisconsin, and venue for such claims shall be in the State of Wisconsin.

2.2.5 Provision of Equipment and Facilities

- (A) Except as otherwise indicated, Customer-provided equipment and facilities used in connection with this Service shall be so constructed, maintained and operated as to work satisfactorily with the Company's Service, equipment and facilities.

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2.2.5 Provision of Equipment and Facilities (con't)

- (B) The Company shall not be responsible for the installation, operation or furnishing of any Customer-provided equipment or facilities. Where such equipment or facilities are used in connection with the Service furnished pursuant to this tariff, the responsibility of the Company shall be limited to the furnishing of the Service under this tariff and to the maintenance and operation of such Service. The Company shall not be liable to the Customer if changes in any of the Company's equipment, facilities, operations or Service (i) renders obsolete any of the Customer-provided equipment or facilities; (ii) requires modification of the Customer-provided equipment or facilities; or (iii) otherwise affects the reception of signals by Customer-provided equipment or facilities.

2.3 Obligations of the Customer

2.3.1 Service Activation/Deactivation

- (A) To activate or change Service, the Company may require the Customer to execute a Service Agreement containing, but not limited to, the following information: (i) name; (ii) address; and (iii) telephone number.
- (B) The Customer may terminate Service by written notice delivered thirty (30) days prior to the end of the initial term, subject to full payment of the charges, including termination charges, for the Service rendered or, as applicable, for the minimum period or commitment.

2.3.2 Payment Arrangements

- (A) The Customer is responsible for payment of all charges for Service furnished by the Company to the Customer. This responsibility is not changed due to any unauthorized use or misuse of the Service by the Customer's employees, third parties, or the public.

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2.3 Obligations of the Customer (con't)

2.3.2 Payment Arrangements (con't)

Customer shall indemnify and hold the Company harmless from all costs, expenses, claims or actions arising from unauthorized use or misuse of any nature of the Service. The Customer shall not be excused from paying the Company for Service provided to the Customer or any portion thereof on the basis that unauthorized use or misuse occurred over the Service.

- (B) In cases where special construction or materials or unusual expenses are required to supply Service to the Customer, the Customer shall pay additional charges to compensate for the additional costs.
- (C) Federal, state and local sales, use, excise and other taxes, where applicable, shall be added to the charges contained therein, unless the Customer provides a properly executed certificate of exemption from such taxes. It shall be the responsibility of the Customer to pay these taxes and to accept the liability of any such unpaid taxes that may become applicable.
- (D) Charges for Service are payable in advance except for per minute or per call charges, if any, which are payable in arrears. Bills are due and payable when tendered and are payable at the business office of the Company or at any other office designated by the Company.
- (E) Interest, at the lesser of (i) the rate of one and one-half (1.5) percent compounded monthly (19.56% per annum) and computed on a daily basis or (ii) the highest rate allowed by law per month, may accrue upon any unpaid amount commencing thirty (30) days after the date of the invoice. If the Company initiates legal proceedings to collect any amount due hereunder and the Company substantially prevails in such proceedings, then the defendant Customer shall pay the

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2.3 Obligations of the Customer (con't)

2.3.2 Payment Arrangements (con't)

reasonable counsel fees and costs of the Company in prosecuting such proceedings and appeals therefrom.

- (F) Charges shall be deemed correct and properly billed if the Customer fails to notify the Company in written or oral notice with reasonable detail that it is disputing a particular charge within thirty (30) days after the date of the invoice.
- (G) A fee of twenty dollars (\$20.00) will be charged for all returned checks.

2.3.3 Service Deposits

- (A) The Customer may be required to make a Service Deposit if the Customer has not established its creditworthiness to the satisfaction of the Company. Amount of deposit shall be in written notice and subject, but not limited to one month's service and installation charges payment and is due within fifteen (15) calendar days before service is established.
- (B) Upon deactivation of Service or after a one-year period of non-delinquency in the payment for Service, the Customer may withdraw this deposit, provided the deposit is not credited against bills for Service and the Customer supplies satisfactory proof of the right to receive the deposit. An interest rate of 5.39 percent per annum shall be paid on deposits.

2.3.4 Liability of the Customer

The Customer shall be liable for any damages to or loss of the Company's equipment, facilities or Service or for any injury to the Company's personnel caused by the negligence or willful act of the Customer's officers, employees, agents or contractors.

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2.4 Confidential Information

The Customer shall submit to the Company true and exact information relating to its Service orders and shall advise the Company of any change in such information. The Customer shall have authority to submit such information to the Company. All information exchanged between the Company and Customer shall be kept confidential except that the Company may make Customer information available where necessary to employees or agents of the Company for the purpose of providing Service.

2.5 Use of Service

- (A) The Service shall not be used for any unlawful purpose.
- (B) The Service shall be used in a manner consistent with the terms of this tariff and the policies and regulations of all federal, state and local governmental authorities having jurisdiction over the Service.
- (C) The Service or any rights associated therewith may not be assigned or in any manner transferred without the written consent of the Company.

2.6 Termination of Service for Cause

- (A) Upon non-payment of any sum owing to the Company for more than forty-five (45) days beyond the date the bill for Service is mailed by the Company, or upon violation of any of the terms or conditions governing the furnishing of Service under this tariff, the Company may, without incurring any liability, terminate the furnishing of Service to the Customer under this tariff.
- (B) The Company reserves the right to terminate Service without notice if it deems such action necessary to protect against fraud or to protect its personnel, agents, equipment, facilities or Service.
- (C) Notwithstanding (A) & (B) above, the Service shall terminate automatically upon the initiation by or against the Customer of a proceeding in bankruptcy, reorganization,

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2.6 Termination of Service for Cause (con't)

insolvency, receivership or assignment for the benefit of creditor.

- (D) Termination of Service for cause does not relieve the Customer of the obligation to pay all charges that have accrued under this tariff.

3. SERVICE OFFERINGS AND RATES

3.1 General

- (A) Service Charges are in addition to all other rates and charges that may be applicable for Service and equipment provided by the Company.

(B) Service Charges:

- (1) Miscellaneous - one charge covers all miscellaneous Services performed at the same time for each Service for which a separate monthly bill is rendered.

- (2) Line Connection Charge - the charge for performing all or part of the operations associated with the connection of a Central Office line or provision of network access.

(3) Restoration of Service Charge:

- (a) Restoration of Service will be subject to a Service Charge if Company suspends service due to nonpayment and the Service has not been disconnected.

- (b) When Service is rendered inoperative by causes beyond the control of the Customer, excluding theft, the same Company provided Service as destroyed will be

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3. SERVICE OFFERINGS AND RATES (con't)

3.2 General (con't)

(3) Restoration of Service Charge: (con't)

(b) (con't)

reestablished at the same or different location, at the option of the Customer, without Service or Installation Charges.

3.2 xDSL Connection Charge

(A) Per Access line or Data Connection - Residence

(1) Central Office Work Charge	\$_____	N/A
(2) New Line Connection Charge	\$_____	N/A

(B) Per Access Line or Data Connection - Business

(1) Central Office Work	\$_____	450.00
(2) New Line Connection Charge	\$_____	1,500.00

3.3 Restoration Charge

(A) Temporary Suspension at Customer's Request

Nonrecurring Charge Per xDSL Line Restored	\$950.00
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(B) Temporary Suspension for Nonpayment

In the event Service is temporarily interrupted for nonpayment, such Service will be restored upon payment of charges due or, at the discretion of the Company, a substantial portion thereof, and in addition, charges as specified following will be applicable to restore such Services.

Charge per xDSL Line Restored	\$950.00
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3.4 xDSL Service

xDSL Service provides a Customer with a digital connection operating at varying data rates and effective distance (measured in feet) from a Central Office. Each line connection provides 1.5 Mbps downstream and 16 Kbps upstream at 18,000 feet. High Data Rate Digital Subscriber Line (HDSL) uses two (2) pair lines and achieves rates of 1.544 Mbps, equivalent to a T-1 line. Single Line DSL (SDSL) is similar to HDSL, but uses only one (1) pair line. SDSL can achieve the same throughput as HDSL with half the lines, but at shorter distances from a central office to customer premise - 10,000 feet compared to 12,000 feet for HDSL. Very High Data Rate Digital Subscriber Line (VDSL) is used for the very shortest distances and can achieve speeds of 13 Mbps under 4,000 feet and up to 52 Mbps at 1,000 feet. Each line connection provides access to wide area network or Internet connection over a high speed unbundled pair of copper lines.

Non-Recurring and Monthly Recurring Rates per xDSL line per Point. Apply as follows:

<u>Per Line</u>	<u>Non-Recurring</u>	<u>Monthly Recurring</u>
SDSL - 384 kbps	<u>\$500 - \$1,850</u>	<u>\$ 89 - \$299</u>
SDSL - 768 kbps	<u>\$500 - \$1,850</u>	<u>\$ 109 - \$450</u>
ADSL - 1.6 mbps	<u>\$500 - \$2,850</u>	<u>\$ 109 - \$589</u>
ADSL - 2.5 mbps	<u>\$500 - \$2,850</u>	<u>\$109 - \$1,350</u>
ADSL - 4 mbps	<u>\$500 - \$2,850</u>	<u>\$300 - \$1,600</u>
ADSL - 5 mbps	<u>\$500 - \$2,850</u>	<u>\$300 - \$1,800</u>
ADSL - 7 mbps	<u>\$500 - \$2,850</u>	<u>\$450 - \$2,300</u>
HDSL - 1.5 mbps	<u>\$2,450</u>	<u>\$ 549.00</u>

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4. PROMOTIONAL OFFERINGS

The Company may offer special promotions to its Customers waiving certain charges or offering services at special rates. Promotional discounts include but are not limited to reduced monthly rates or charges, incentive subscription bonuses, free Service periods, full or partial waivers of installation charges, or any combination thereof. The maximum length of a promotion will be one hundred and eighty (180) days and may be extended at the Company's discretion. Promotional offerings are subject to filing and approval by the Commission.

5. SPECIAL CUSTOMER ARRANGEMENTS

- 5.1 Each Specialized Customer Arrangement (SCA) is an individually negotiated contract offering tailored to meet the telecommunications needs of the customer for whom the offering was designed. Each SCA contains a service, or combination of services, and includes supplemental terms and conditions. Unless otherwise specifically provided for, each SCA is available to all similarly situated customers for a period of thirty (30) days following the date of issue of the tariff provision reflecting the SCA or the SCA contract date of the initial customer for whom the SCA was designed, whichever comes first, and the Customer must agree to service installation no later than thirty (30) days following enrollment in the SCA. When SCA terms and conditions not affecting charges are inconsistent with this tariff, the terms and conditions of the Tariff will control.
- 5.2 Special conditions exist with Customers who use xDSL Service to access a wide area network application. Site specific pricing and interstate data link cost determined by mileage requirements are calculated to create a virtual private network pipeline connection.

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Exhibit "B" FINANCIAL CAPABILITY

Applicant is a privately held Wisconsin C-corporation. Applicant has agreed to terms with a substantial investor and is awaiting stockholder approval of the transaction at the next stockholders meeting in late May 1999. It is expected that Stockholders will approve the transaction. Details of the transaction will be provided subsequent to the May 1999 stockholders meeting and thereby submitted to the Public Service Commission as **Exhibit "B"**. These documents will be offered to demonstrate Applicant's financial ability to provide the proposed services. The corporation's fiscal year begins June 1 and ends May 31.

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Exhibit "C" MANAGERIAL CAPABILITY

Theodore Lasser
President and Chief Operating Officer

Named President and Chief Operating Officer in 1998, Theodore Lasser, age 45, brings 25 years of telecommunications and electronic engineering experience to the executive management team of Dakota Services, Ltd., Waukesha, Wisconsin. As a core founder of Dakota Services, Ltd., Mr. Lasser provides operational leadership over the national deployment strategy to provide high speed xDSL and ATM technology to the desk top as a national Data CLEC.

Previously, over the past 10 years, Theodore has posted executive level and equity positions in privately held telecommunication companies serving the wide area network and carrier services markets. His extensive tariff and legislative involvement in deploying national voice and data networks, including Ameritech's 911 network, lends insight and guidance to the regulatory CLEC requirements to insure Dakota Services Ltd's national success.

Involvement in new market deployments, corporate strategic positioning and market dominance is evident through product design and service offering differentiation for Ameritech and Schneider Communications (Frontier). This represents a strong marketing and strategic corporate development of central office switching services and network technologies.

Mr. Lasser, a decorated Vietnam Veteran, graduated *Cum Laude* from Cardinal Stritch University with dual degrees in Business Management and Marketing in 1991. He is active in local and national legislative issues and resides on the Board of Directors of his vested firms.

Douglas Zolnick
VP Research & Development

Age 36, Bachelors of Science Degree in Business with a minor in Management in Electrical Engineering, University of Colorado – Boulder, 1986. EIT certification. Eleven (11) years of telecommunications experience with DSC Communications, Electronic Data Systems, NTIA Institute of Telecommunications Sciences, Xylan, and BDM Corporation. ATM, LAN/VLAN switching/routing, EDS*LINK, EDS Video Conferencing, GM Infranet IP network design and implementation. Telco, Competitive Access, CLEC, Cable, ISP, End-user, consulting and implementation on multi-service access, transmission, core switching, Transparent LAN Service (TLS), frame relay, ISDN, BISDN, SONET, SDH, cell relay, circuit emulation, Internet access and distribution.

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James M. Webb
VP Network Operations

Age 57, M.A. in Personnel Management from Central Michigan University, B.S. in Business Administration from Drake University, currently completing MBA in management from the University of St. Thomas. Mr. Webb has over 30 years experience in the telecommunications field. His experience includes a broad spectrum of operations and staff positions in network engineering and operations. Immediately prior to joining Dakota Services, Ltd. he was responsible for Sprint LTD's engineering and construction operations in Minnesota, Nebraska and Wyoming. Mr. Webb spent 1978 and 1979 as liaison to the Washington, D.C. office of United Telecommunications, Inc. (Sprint), assisting with pending FCC Dockets and federal legislation. He worked one year as a full time consultant to the Kansas Corporation Commission providing industry expertise during the divestiture rate cases for AT&T and Southwestern Bell. During this time Mr. Webb testified as the Commission's policy witness in the generic docket to determine the appropriate regulation of mobile communications in Kansas.

Dan Garvey
Director of Channel Distribution

Mr. Garvey, age 37, has transitioned his consultative management skills gained by the experience from McLeod USA which is now directed to Dakota Services Limited. The knowledge and skill level developed by Mr. Garvey produced the fastest growing, number one region in the country for McLeod USA. That same dedication and drive is being applied to the deployment strategy of Dakota Services Limited's direct sales force. His computer and networking technical background as well as his marketing background enables him to combine the customers needs with the available technology to form a superior product offering with the highest return to the corporation's bottom line.

Mr. Garvey possesses an enthusiastic, energetic, and empowered approach to his Directorship and responsibility to building Dakota Services Limited's Channel Distribution.

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Exhibit "D" TECHNICAL CAPABILITY

Applicant is the only facilities-based data CLEC in the nation that has deployed a network footprint by collocating equipment in 100+ CO switch sites and transporting that traffic over high-speed connections to a remote switching center. Within each CO, Applicant maintains a rack that houses the Digital Subscriber Line Access Multiplexers (DSLAMs) that connect to the unbundled local loops supplied by the RBOC or ILEC. A DSL modem terminates the link at the customer premises.

As of the date of this Application, Applicant has made 100+ central offices operative, spanning the entire Ameritech and GTE region as well as implementing a national deployment strategy. By year's end, Applicant will have targeted an additional 1,000 central offices for deployment. This aggressive deployment will continue well into the year 2000.

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Douglas Zolnick**PROFESSIONAL EXPERIENCE****Dakota Services Limited – Vice President, Research and Development****1997 – Present**

Responsibilities:

- DSL network architecture.
- DSL geographic-specific network designs.
- Service capability definition, service description and service planning.
- Engineering and operations guidelines.

Major Accomplishments:

- *DSL network architecture*: developed network architecture for specific access, transmission and switching content based upon regulatory, interconnection and technology guidelines/limitations. Defined interface standards between associated network elements and defined multi-vendor interworking specifications. Researched vendor-specific solutions, developed evaluation criteria and performed vendor-selection to meet the objectives of the overall network architecture.
- *DSL geographic-specific network designs*: developed local, metropolitan and regional network designs, per-city, per-state and nationally, to apply the network architecture to geographical designs for deployment of the Dakota Services Limited public service network.
- *Service capability definition, service description and service planning*: developed the service aspects of the Dakota Services Limited public service network. Service capabilities for xDSL access options, and corresponding backbone network switching/transmission, were developed. Defined quality of service parameters, corresponding to data, voice and video applications.
- *Engineering and operations guidelines*: developed engineering and operations guidelines for the establishment, management and provisioning of the Dakota Services Limited public service network.

Xylan Corporation – Director, Consulting Services**1996 – 1997**

Responsibilities:

- ATM network technology expert.
- LAN/VLAN switching/routing network technology expert.
- Carrier industry (Telco, Competitive Access, CLEC, Cable, ISP) consulting.
- End-user industry consulting.
- Business plan development and management.
- Product planning and marketing.
- Customer satisfaction and expectation management.

Major Accomplishments:

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- *ATM network technology*: designed, engineered and built ATM private and public networks. Access, edge, core and interworking ATM functions implemented using UNI, PNNI, MPOA, LANE, CES, frame relay, bridging, routing and trunking technologies. Functional entities of the networks mapped to access, transmission and switching network elements. Service descriptions and multiple-service networks created using common core network aspects. Established NMNs, trained customers and provisioned ATM networks for turn-key customer maintenance.
- *LAN/VLAN switching/routing network technology*: designed, engineered and built LAN switching and routing networks integrating with or replacing hub and standalone router technologies. Typical network designs included adding switching bandwidth, providing backbone IP/IPX resource consolidation and developing routing re-designs to increase performance/cost while minimizing obsolescence. Multiple protocol-level VLAN designs were achieved, preparing networks for the new networking paradigm of virtuality.
- *Carrier industry (Telco, Competitive Access, CLEC, Cable, ISP) consulting*: provided consulting services to the Telco, CAP, CLEC, Cable and ISP industries. Multi-service access, edge, transmission, core switching, interworking and management networks developed providing Transparent LAN Service (TLS), Frame Relay, Cell Relay, Circuit Emulation and Internet Access/Distribution services. The resultant network designs, engineering specifications and management guidelines were tailored to the specific marketing and business plan objectives of each individual customer/industry. Built networks after design, working with customer's design, engineering and operations staff. Templated the network construction process.
- *End-user industry consulting*: provided equivalent consulting services to end-user industry, re-designing traditional networks using hub/router/duplicity designs. Applied advanced networking technology, with Xylan-unique service offerings, to better apply network requirements to equipment functions. VLAN designs, routing re-designs, service and functional entity designs were completed and implemented from small-scale remote office to large-scale backbone replacement projects.
- *Business plan development and management*: developed the business plan and objectives for Xylan to operate consulting services as a product line. Managed the consulting services group, managed the technology planning and core competencies of the consulting group and scheduled consulting projects.
- *Product Planning and Marketing*: defined multi-protocol switching, routing, LANE, MPOA, PNNI, frame relay and circuit emulation services for the Xylan X-Cell ATM matrix switch; defined interactive and on-demand distributive video services for the X-Cell switch; defined ATM signalling requirements for the X-Cell switch; defined access multiplexor, access network and cross-connect/transmission network requirements for interfacing the X-Cell switch to other ATM network elements; defined reliability, redundancy, survivability attributes for the X-Cell switch; defined packaging and price/performance requirements for various markets and customers.
- *Customer satisfaction and expectation management*: developed a formal customer requirements and application process, by which customer and Xylan explicitly acknowledged the agreed network and service capabilities. Gained the confidence of customers to where they would turn over their networks to me for building the next generation networks/paradigms, often putting me in charge of the design, engineering, installation and operation functions until formal cutover.

DSC Communications Corporation – Senior Manager, Product Planning

1994 – 1996

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Responsibilities:

- ATM product planning for the DSC iMPAX ATM switching product line.
- ATM product line marketing.
- ATM network design, service design and engineering for data and video services.
- Customer and corporate consulting.

Major Accomplishments:

- *ATM Product Planning:* defined the bridging, routing over ATM and LANE services for the iMPAX ATM edge switch; defined frame relay interworking for iMPAX switch; defined interactive and on-demand distributive video services for the iMPAX switch; defined ATM signalling requirements for the iMPAX switch; defined access multiplexor, access network and cross-connect/transmission network requirements for interfacing the iMPAX switch to other ATM network elements.
- *ATM Product Line Marketing:* contributed to the press announcements introducing the iMPAX product line to the ATM marketplace; designed, developed and built iMPAX trade show demonstrations; represented DSC as an ATM consultant at industry trade shows.
- *ATM Network Design/Engineering:* defined, planned, organized and managed a network design and engineering group; designed/engineered all RFP network solutions; designed/engineered multi-vendor and DSC-specific cross-divisional network solutions.
- *Customer and Corporate Consulting:* consulted with DSC customers on ATM network designs, requirements and services; consulted with DSC corporate planning/marketing to establish ATM product plans providing cross-divisional, revenue-producing, integrated product solutions.
- *Telecommunication Standards:* represented DSC in the development of the international standards for ATM at the ATM Forum and its subcommittees.

Electronic Data Systems (EDS) Corporation – Senior Network Engineer

1989 – 1994

Responsibilities:

- Lead designer for the EDS next generation networks.
- Technology expert for current and next generation networks.
- Technology analysis, selection, management and planning.
- Customer and Business Unit consulting.
- Network planning.
- Project managing.
- Engineering and Operations training.

Major Accomplishments:

- *ATM Network Design:* defined IP, IPX, SNA, video-on-demand, video conferencing, video distribution and voice service requirements; mapped routing, signalling, switching, relaying and multicasting functions to equipments; designed multi-media customer premises distribution network and transport network interfaces; planned four-phase network deployment; initiated current network decommissioning and integration.

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- *EDS*LINK Network Design:* added six IP and IPX remote access services to the EDS*LINK network; added five secured IP Internet services to EDS*LINK; designed routing configurations to accommodate new services; planned global deployment of EDS*LINK.
- *EDS Video Conferencing Network Design:* defined switched video services; defined dedicated video services; designed/engineered switched/dedicated service integration; planned global deployment.
- *GM Infranet IP Network and Video Network Design:* designed IP data network and video conferencing network; planned global deployment; managed GM customer and EDS internal engineering groups to obtain customer-supplier agreement on service levels, designs, deployment plans and operations.
- *Consulting:* advised customers, business units and engineering/operations groups on new service designs, deployments and integration requirements; educated customers and internal groups on new technology developments and applications.
- *Telecommunication Standards:* represented EDS in the development of international standards for ATM, BISDN and ISDN at the ANSI Committee T1 and its subcommittees.

NTIA Institute of Telecommunication Sciences (ITS) – Telecommunications Engineer 1988 – 1989

Responsibilities:

- ATM and BISDN designer.
- Technology expert for ATM, BISDN, ISDN, SONET, SDH.
- Advanced Networking Lab coordinator.

Major Accomplishments:

- BISDN, ISDN architecture and service description.
- BISDN lab configuration with FT3C transmission equipments.
- Department of Defense (DoD) and Department of Commerce (DoC) network consultant.
- International standards development with ANSI Committee T1 and its subcommittees.

BDM Corporation – Telecommunications Engineer**1986 – 1988**

Responsibilities:

- LAN design and installation.
- Unix system administration/network management.
- New technology assessment.

Major Accomplishments:

- Designed and installed an IEEE 802.3 optical fiber LAN.
- Designed and installed a 100 node IP network with distributed database application.
- System administration and network management methodology design and application.
- National standards development with ANSI Committee T1 and its subcommittees.

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EDUCATION

MS, Telecommunications (1/3 complete), University of Colorado at Boulder
BS, Electrical Engineering, University of Colorado at Boulder, 1986
EIT Certificate (prerequisite to Professional Engineer license)

Julie A. Ols

PROFESSIONAL EXPERIENCE

Dakota Services Limited – Director, Provisioning

1997 – Present

Responsibilities:

- Deploy and secure backbone and network services within each CO site.
- Design, implement and maintain order process flow.
- Design and maintain automated price quote system based on mileage for T1 and T3 services.
- Interface with LEC, CP, vendors and intra-company departments to assure information flow.

Major Accomplishments:

- Coordinate and monitor all service order requests pertaining to Backbone, Network, and DSL circuits.
- Identify and implement ordering procedures for each LEC, CP and vendor
- Create and maintain process flow identifying timeframes to help establish due dates into each territory.
- Establish, maintain and utilize the Network Electronic ordering link from Ameritech.

Ameritech – Consultant

1995

Responsibilities:

- Accepted temporary assignment with Ameritech to create work stoppage instructional materials for the AIISC (Ameritech Information Industry Service Center).

Ameritech – Manager, Systems Support

6/94 to 9/94

Responsibilities:

- Supported ALDIS (Ameritech Long Distance Information Services) in the use of an internal billing system.

Ameritech – Manager, Customer Service

8/93 to 6/94

Responsibilities:

- With a team, established a new Milwaukee-based service center (Ameritech Information Industry Services).
- Transitioned customer work from four state offices to Milwaukee service center.

Major Accomplishments:

- Established and maintained office guidelines and policies.

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- Developed process flows and led process improvement teams.
- Supervised 32 non-management employees in handling service order requests and billing inquiries within the Telemanagement marketing unit.
- Ensured accuracy of customer service.
- Trained Service Representatives with varying levels of knowledge.
- Participated in planning stages for electronic bonding with customers.
- Responsible for productivity, accuracy and timeliness results.
- Developed Methods and Procedures for Service Representatives.

Ameritech – Manager, Course Developer/Instructor

1/92 to 8/93

Responsibilities:

- Designed, created, implemented and maintained training activity for ALDIS – WI.

Major Accomplishments:

- Reviewed and evaluated existing training methods for restructure.
- Assisted in the transition of Wisconsin – ALDIS service center work to Illinois, Indiana, Michigan and Ohio ALDIS service centers by developing and presenting training packages in each state.
- Introduced and trained all ALDIS service centers in the Ameritech region in the use of electronic mail.
- Rated number one Course/Developer/Instructor in Ameritech Region for ALDIS in 1992.

Ameritech – Service Representative

2/79 to 1/92

Responsibilities:

- Acquired wide breadth of experience with almost all types of Ameritech customers, including Residential, Small Business, Inter-exchange Carriers and Independent Telephone Companies.
- Negotiated and issued simple to complex orders to establish, disconnect and change service.
- Investigated and handled inquiries regarding billing and services.
- Coordinated with other departments to ensure desired due dates were met.

EDUCATION

BS, Business Administration, Mount Mary College, Milwaukee, WI
GPA – 3.5

Chris Brown

PROFESSIONAL EXPERIENCE

Dakota Services Limited – Director, Network Operations

01/98 to Present

Responsibilities:

- Design, implementation, configuration and maintenance of Frame Relay backbone/DSL network.
- Design/upgrade to ATM backbone/DSL network.
- Supervise 12 technical positions.

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Brooks Fiber Properties – Data Engineer

02/97 to 01/98

Responsibilities:

- Design and implementation of state-wide ATM network with Internet access across Xylan and Cascade switches.
- Provisioning and maintaining a statewide Frame Relay network.
- Systems Administrator over the Operations Department's UNIX based network management stations for Cascade and Fujitsu SONET networks.

Major Accomplishments:

- Xylan OmniSwitch Administration.
- Cisco Router Configuration.
- Advanced Cisco Router configuration.
- CascadeView NMS Fundamentals.
- Cascade B-STDX 9000 Frame Relay Configuration and Operations.

LDDS Worldcom – Operations Technician

08/96 to 02/97

Responsibilities:

- Northern Telecom OC-48 Transport Node.
- Northern Telecom DSM-250 Switch.
- Fujitsu 405 MUX.
- Alcatel 3139 and 21130.
- Ciena Multiwave 1600 WDM.
- Cisco 2500 Routers.
- Cascade B-STDX 9000 Frame Relay Switch.
- Tellabs Dacs.
- Astarte 7250 optical "Star Switch"

Major Accomplishments:

- Certified Ciena WDM Administrator.

Mouser Electronics – System Operator

08/95 to 08/96

Responsibilities:

- Host Computer: Data General AviiON 6240 (running DG/UX release 5.4R3.10MU01 UNIX and VMARK Software's PI/open release 3.3)
- Phone systems: AT&T System 75, Mitel SX-100 and SX-200.
- Networking: Micom Marathon DTE, Micom Front Runner MR-2 CSU/DSU (using 56K and 64K T1 lines), Motorola Codex 2382 modems, Motorola Codex 6740 multiplexers, Multitech MultiMUX 16 multiplexers.

Mouser Electronics – Assistant Manager, Technical Support Department

1992 – 1995

Mouser Electronics – Assistant Supervisor, Technical Support Department

1991 – 1992

Mouser Electronics – Assistant Supervisor, Stock Control Department

1989 – 1991

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EDUCATION

AA, Computer Science, Tarrant County Junior College 1994

Enoch Laudie

PROFESSIONAL EXPERIENCE

Dakota Services Limited – Senior Network Engineer

01/98 to Present

Responsibilities:

- Created engineering procedures and documentation for startup CLEC.

Major Accomplishments:

- Configuration of switches and multiplexors in backbone and telco Central Office networks.
- CAD drawings and engineering specifications of all networks and equipment.
- Managed new customer attachments to network.
- Allocation of all internet addresses to customers.
- Training of Operations technicians in telecommunications and networking protocols.

Sprint Paranet – Technical Analyst

01/97 to 01/98

Responsibilities:

- Contracted to Sprint PCS for buildout of national TCP/IP Frame-Relay WAN.
- Second- and third-level router and switch support.

Major Accomplishments:

- Built and maintained router NOC using HP Openview and CiscoWorks.
- Project management for several LAN/WAN troubleshooting and assessment projects.
- Used Network General sniffer in Ethernet and Token Ring LANs.

Utah Valley State College – Microcomputer Specialist

11/95 to 12/96

Responsibilities:

- Variety of network duties in Computer Services department of college employing 2500+ users and 14,000+ students.
- *Project Leader responsible for research, recommendation, and implementation of Xylan ATM switching fabric for campus backbone.*
- Design and implementation of Protocol and MAC-layer based Virtual LANs for Ethernet network.

Major Accomplishments:

- Research, recommendation, installation, configuration, and training of Hewlett-Packard OpenView network management system.

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- Responsible for new wiring and fiber optic pulls.
- Used Network General network sniffer to examine frame types and research traffic loads on LAN segments.
- Extensive troubleshooting and hardware assembly of PCs. Network protocols included TCP/IP, IPX/SPX, ATM, AppleTalk, and SNMP.

IBM EduQuest – Programmer

01/95 to 12/95

Responsibilities:

- Designed and coded Windows components for reuse by other developers.
- Responsible for team's timely coding of specifications, reviewed goals and objectives with team, ensured team's code met specifications, and trained team in various aspects of programming.

EDUCATION

MS, Telecommunications, University of Colorado at Boulder, anticipated graduation 5/00
BS, Computer Science, Utah Valley State College 1996

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