ABOUT US



Micronet Communications, Inc. ("Micronet") specializes in Microwave Frequency Coordination and Licensing, offering expertise in path design, surveying, coordination, and licensing, as well as frequency monitoring and interference protection for licensed bands.

As an industry leader with the second-largest market share in the U.S. microwave frequency coordination sector, we have built a strong reputation for excellence. For over 40 years, we have served a diverse range of clients across the telecom industry.

Our team of highly skilled engineers, each holding advanced degrees, brings over a century of collective experience at Micronet. With a vast database, proprietary engineering tools, and an intuitive online system, we take pride in delivering exceptional, personalized service.

CURRENT LEADERSHIP



FREDRICH LAMPRECHT
President

B. Electronic Engineering –
University of Pretoria | 1992

Mr. Lamprecht joined Micronet in 2014.

With 20+ years in microwave network engineering, he has designed systems globally for mobile operator, OEM and utility sectors.

Mr. Lamprecht contributed to the development of TIA standard ANSI/TIA-10 and designed Micronet's online service (MOS), launched in 2023.



CHARLES LAWRENCE
Vice-President / Treasurer

M.S. Physics and Computer Science –
University of North Texas | 2000

Mr. Lawrence joined Micronet in 2005.

His vast experience in software engineering and database management has contributed to Micronet's long-term success.

Mr. Lawrence contributed to the development and maintenance of several systems and components utilized throughout the organization.



JEREMY LEWIS
Eng. Svcs. Manager / Secretary

B.S. Electrical Engineering –
UT Dallas | 2001

Mr. Lewis joined Micronet in 2004.

His extensive expertise in frequency coordination and telecommunications engineering provides strategic oversight of Micronet's engineering services division.

Mr. Lewis is a long-standing member of the National Spectrum Management Association (NSMA) and has contributed his expertise to Working Group 3 for more than 15 years.



BRAD YOUNGBLOOD
Senior Engineering Advisor

B.S. Electrical Engineering –
Texas A&M | 1993

Mr. Youngblood, a Navy veteran, joined Micronet in 2002.

Holding roles in field engineering, frequency planning, and protection, he later served as Micronet's President from 2013 to 2022.

Mr. Youngblood has been an active contributor to NSMA since 2007, authoring several recommendations and serving on its Board until 2023. He contributed to the development of TIA standard ANSI/TIA-10.

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COMMUNICATIONS, INC.

CORPORATE PROFILE



Micronet Communications, Inc. was established as a family business in 1983. Although the company has grown significantly, and ownership has changed since then, the defining values and culture of the organization have remained. We are currently headquartered in Plano, Texas, and are a leading Microwave Frequency Coordinator in the Telecommunications industry.

Company Structure: Micronet is an independent firm with private ownership and control, free from any corporate parents. Our dedicated team consists of full-time, highly skilled, and experienced personnel.

Mission and Vision: Our mission is to surpass client expectations by delivering great service at exceptional value. Our vision is to be the preferred Frequency Coordinator nationwide.

Values and Culture: We prioritize customer-centric personalized service, emphasizing integrity, accuracy, expediency, and exhaustive effort to find acceptable frequencies even in the toughest of markets.

CORPORATE CITIZENSHIP

Micronet boasts a proud and extensive history of membership and active involvement in numerous relevant industry associations, including roles on the governing bodies of some of them, contributions to standards development, and sponsorships.

https://www.nsma.org/

https://www.wispa.org/

https://utc.org/

https://www.fwcc.us/index.html

INDUSTRIES THAT WE SERVE



Our diverse customer base consists of:

- Internet Service Providers (ISPs)
- Utilities
- Government and Schools
- Public Safety
- Carriers
- Network Operators
- Radio Manufacturers (OEMs)
- Value Added Resellers (VARs)
- Consulting firms
- Broadcast Companies
- Law Firms

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SERVICES THAT WE OFFER

a) **FCC Radio Service Authorization services** (comprising Frequency Studies, Coordination and Licensing) in the following areas:

Fixed Microwave– FCC Part 101

- Common Carrier and Private Point-to-Point Microwave in the 938/956 MHz, 6, 7, 11, 18, & 23 GHz bands
- Millimeter Wave / E-band link registration: 70/80/90 GHz bands
- Multiple Address Systems (MAS): 900 MHz band
- LMDS PTP and PtMP: 29-31 GHz band

Fixed Satellite – FCC Part 25

- C-, X-, Ku and K-bands: Permanent, Temporary and Receive Only

Broadcast Auxiliary Service (BAS) – FCC Part 74

- 948 MHz, 2 GHz, 7 GHz, and 18 GHz bands

Cable Antenna Relay Service (CARS) – FCC Part 78

- 18 GHz band

Public Safety Microwave – FCC Part 90

- Public Safety Microwave Licensing: 4.9 GHz band (support services only)

b) **FCC License Management services**:

- License (Call Sign) renewal
- PCN renewal
- Build-out notification

c) **Frequency Monitoring and Protection services**

d) **Microwave Network Design services**

- Point-to-Point (PtP) and Point-to-Multipoint (PtMP)
- Pathloss™ 6.0

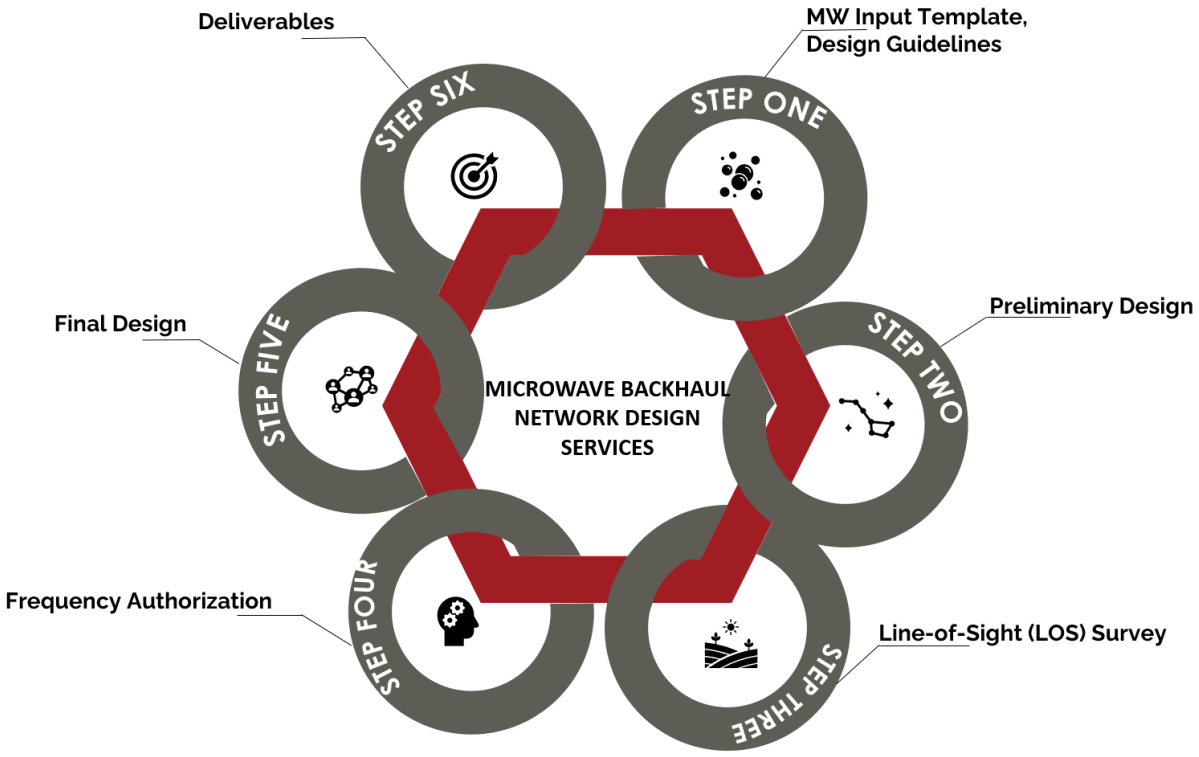
- Multipath analysis, Reflection analysis, Diffraction analysis, etc.
- Google Earth link “flyover” analysis
- MapInfo presentations (optional)

e) **Field services**
- Path clearance surveys
- Site surveys
- Reporting, site drawings, pictures, etc.

f) **Tower Registration services** (ASR registrations)

g) **Consultancy services**

Micronet can combine any of their services to provide a more holistic offering, such as shown here:



A KEY DIFFERENTIATOR: MICRONET ONLINE SERVICES (MOS)



Our user-friendly Micronet Online Services (MOS) platform is the best in the industry, designed to meet our customers' specific needs with exceptional versatility, efficiency, and accuracy at every step.

MOS comprises 4 key modules:

- **Jobs**: Easily monitor the progress of ongoing jobs in one concise location.
- **Microwave PTP**: Streamline the submission and management of Point-to-Point Microwave links within the 900 MHz to 23 GHz bands.
- **Millimeter Wave PTP**: Register and manage Point-to-Point Millimeter Wave links in the E-band (70 to 90 GHz)
- **Monitoring / Protection**: Seamlessly manage pending and cleared interference cases for our Protection Clients

MOS empowers our customers to:

- **Submit and Request** Microwave links to be licensed
- **Register** E-Band links on their own
- **Track** the frequency authorization progress of links
- **Perform License Management:** eg. Data Sheet approvals, PCN renewals, License renewals, Construction Notice filings, and more
- **Export their data** in various file formats

THE MICRONET DIFFERENCE

A Century of Expertise: With nearly 100 years of combined experience at Micronet across six engineers, we excel at solving the most complex frequency engineering challenges.

Extensive database of microwave systems and equipment: Our comprehensive database that has been built up over 4 decades, ensures top-tier service delivery to our customers.

Comprehensive Service Offering: From 900 MHz to 90 GHz, we cover coordination, licensing, license management, frequency protection, system planning and much more.

FCC authorized 3rd Party 70-90 GHz Database Manager: With us E-Band link registrations are done directly in the Link Registration System. There is no middleman.

Revolutionary Online Service, MOS: Simplicity, efficiency and tailored functionality all packaged conveniently in one platform that is available 24x7.

Alternative solution offered in some congested areas: We are the appointed frequency coordinator for Geolinks' LMDS spectrum, available for PTP or PtMP use via link or block lease.

Customer-Centric Approach: Our Customer always comes first. We provide personalized, direct service through dedicated Engineers.

Fast Turnaround: We pride ourselves on quick service delivery; now made even more seamless with our MOS online service.

Getting it right the first time: Time is money. Our “re-PCN rate” is among the lowest - a reflection of our rich expertise, vast database and comprehensive tool base.

No shortcuts taken: We will go the extra mile to find an acceptable channel for our customers’ unique applications –a leading cause for gaining clients from competitors.

Unbiased and Neutral: We're independent and not owned by an Equipment Manufacturer. Our recommendations are solely based on our customer’s technical requirements.

A genuine and trustworthy partner: Micronet firmly advocated for keeping the 6 GHz band exclusively licensed and did not contradict this stance by later registering as an AFC operator to support its unlicensed use.

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SOME CUSTOMERS WE SERVE:

























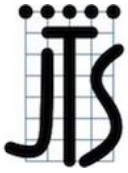























CASE STUDIES

The following case studies demonstrate Micronet's ability to outperform competitors, deliver exceptional service, and build lasting client relationships in the frequency coordination sector.

Example 1: Wireless Internet Service Provider | Wills Point, TX

Challenge: Faced difficulties securing 11 GHz frequencies in the congested NE Texas market while working with an Illinois-based competitor.

Solution: Switched to Micronet and received superior service, leading to a continued partnership even after an acquisition in 2024.

Impact: Managing ± 250 links in NE Texas with Microwave PTP, Millimeter Wave PTP, and Frequency Protection services.

Example 2: Systems Integrator for Government Entities | Novato, CA

Challenge: Relied on a Virginia-based competitor for 25+ years but experienced declining service quality.

Solution: After multiple evaluations, transitioned to Micronet in 2017 due to superior service and competitive pricing.

Impact: Supporting 8-10 municipal and county government networks across California with Microwave PTP, Millimeter Wave PTP, and Frequency Protection services.

Example 3: Wireless Internet Service Provider | Rupert, ID

Challenge: Struggled with inconsistent service from three different coordinators over the years.

Solution: Chose Micronet in 2016 and has remained a loyal client ever since.

Impact: Overseeing ± 200 links in Idaho with Microwave PTP, Millimeter Wave PTP, and Frequency Protection services.

WHAT OUR CUSTOMERS SAY ABOUT US

"We recently engaged Micronet Communications to conduct Path Surveys and FCC Coordination Services for a few microwave/ mmWave links. We were very pleased with the quality of work that Micronet had provided. Their Engineers supporting us are very knowledgeable and experienced in the field of Microwave Engineering. We would highly recommend to use them for any Microwave Engineering Services."

Lead Wireless Engineer at Cox Communications, Inc.

"I've worked with Micronet Communications for many years. The staff is professional, responsive and experts in their field. I've used them extensively for FCC frequency coordination services and recently took advantage of their Field Path Survey service which was performed with the same level of professionalism and quality that I've come to expect."

Sales Manager at Ceragon Networks, Inc.

"Great work. Very thorough and persistent. The Micronet team is top shelf!!!"

Network Manager at Talquin Electric Cooperative

"These guys are on the ball. Always respond fast. Great service. I use them for all my frequency needs."

President at Montana Tower

CONTACT INFORMATION

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