



L. Sue Thomas

Biographical Sketch

KNS Communications Consultants
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Professional Positions

1979 to Present President / Founder - KNS Communications Consultants
2019 to Present CFO / CTO / Founding Partner - Aquila Cubed Consulting, LLC

Overview

Ms. Thomas has 41 years of hands-on experience in Telecommunications Consulting. She, along with her husband, founded **Bear Valley Communications, Inc. DBA KNS Communications Consultants ("KNS")** in 1979. Throughout the 41 years, she has been involved business management and technical oversight including engineering design of high-end RF Systems deployed worldwide.

In 2019 Ms. Thomas and Michelle Holiday (Owner of Michelle Holiday & Associates) formed Aquila Cubed Consulting, LLC (Aquila³). This partnership takes the business management, leadership skills and technical experience from both partners to create a Native American, Woman-Owned Small Business. Mrs. Thomas serves as CFO. As CTO she brings expertise in technical RF engineering, RF system design, FCC filings, FCC compliance audits and FAA filings. Aquila³'s market focus is on Tribes, business/industrial, local government and federal government.

Education and Training

Texas Tech University 1966-1968
Bachelor of Science, Zoology with minor in Chemistry
Amarillo Jr. College 1964-1966
Associate of Applied Science
Red Rocks Community College 1981
Accounting I and Accounting II

Metro State University - 1998

Ladder Logic Programming

University of Denver Graduate School – 1998

Microwave System Design

Telecommunications I

Telecommunications II

Certifications

RF Engineering and System Design by SoftWright (taught by Professional RF Engineers)

6 Seminars, 131 class hours, 13.1 CEU's

Alvarion Professional Certification Program - 5-day certification

Intellution – Fix Fundamentals (Fix 104) – 3.2 CEU's

Proxim Broadband Engineer (40 hours)

Motorola EWLAN & Air Defense (40 hours)

Motorola NST8252 0 Introduction to R56

Motorola RDS0004 – Basic Radio

Motorola RDS0002 – Basic RF

MDS Narrowband Certification for SCADA Radios

MDS Master Stations, Transceivers, Spread Spectrum (X790, 9810 series)

Tx/Rx BDA System Design

Areas of Expertise

Ms. Thomas expertise include RF design/engineering of all types of Wireless Radio Systems, including Microwave, Conventional, and Trunked Voice Radio, SCADA, Broadband Wireless, WiFi, WiMax and Mesh FMS (Fleet Management Systems), Wireless EcoSystem design, MPE Studies, predictive coverage mapping, FCC compliance audits, FCC Filings and FAA filings. She oversees and reviews the work of the RF Engineering team at KNS and prepares and presents technical training for the staff.

Ms. Thomas has overseen the technical design/build projects in a multitude of global deployments spanning all 7 continents, Asia-Pacific, and 28 countries.

Ms. Thomas was the principal in the 2-year testing and analysis of NTIA TOP Grant, which studied the 4.9 GHz spectrum (The report, written by Ms. Thomas, was published in 2008 on the NTIA website).