Regis J. (Bud) Bates Jr.
Curriculum Vitae

Professional Summary

Regis J. "Bud" Bates has more than 49 years of experience in Telecommunications and Information Services and has long been considered a technology "Guru." He currently contributes to these fields as an author, consultant, expert witness, speaker, course developer and teacher. He has written numerous books on the technologies, many of which have been best sellers for McGraw-Hill. His "Voice and Data Communications Handbook" led McGraw-Hill's sales for three consecutive years and has been used by over 166 colleges and universities around the world. With clients spanning the range of Fortune 100-500 companies, Mr. Bates has been involved in the design of major voice and data networks. His innovative ideas in implementation have been written up in trade journals and magazines. Many of his projects deal with multiple sites and countries using Frame Relay, ATM and MPLS architectures. A significant amount of Mr. Bates' work has been in the wireless communications area both Cellular and Wi-Fi networks. In his work with venture capitalists, he has consistently been on the mark with his projections for various analyses and studies.

Mr. Bates is known for his dynamic keynote speaking. With a style that is power-packed and a delivery that is exciting, he knows how to captivate, engage and motivate the audience. He motivates the sales force, customers, management team, and capital investors trying to figure out where the technology is heading for the future and where to invest. Regis Bates also develops and conducts various public and in-house seminars ranging from a managerial overview to very technical hands-on classes on Voice over IP, VoIP Security, Wi-Fi Networking, WIMAX networking, MPLS, DWDM, Voice & Data, Next Generation Wireless Networking and IPv6. In the recent past he has focused much of his development and training activities on the convergence of three key areas; VoIP, Security and Wi-Fi.

Mr. Bates is a Cisco Certified Systems Instructor (CCSI #32076) and a registered partner for training and training development with Cisco Training Partners (Fastlane). He developed much of the Fastlane Wireless Curriculum including Wi-Fi Mesh, RF Design, and Wi-Fi Hands on classes. As a registered partner he is very familiar with the Cisco routing and switching products, security products and wireless products. He has also been used as an SME for many other training and development projects in the past.

As an independent Consultant, Mr. Bates regularly lends his expertise to third party assessment companies in the analysis, review and recommendation of technology patents. In particular, Mr. Bates has assessed several portfolios from Nokia, Nortel-Networks, Google and others, and rank ordered the patents and technologies on a technical superiority basis and monetized many of the portfolios so that his clients could acquire a reasonable portfolio for a reasonable price.

Expertise

- CATV Networks, Protocols and Equipment
- Convergence Technologies
- LAN, WAN, Internet, Ethernet, MPLS, ATM, Frame Relay
- Optical Networks and Equipment
- Project Management for Telecommunications and Wireless Projects
- TCP/IP Protocols and Applications

Koninklijke KPN NV - Exhibit 2011
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- Telephone equipment & operations
- Voice over the Internet Protocol (VoIP)
- Voice over Wi-Fi
- VoIP Security
- Wired Networks (PBX, Voice, Data, VoIP, Call Centers, 800 services)
- Wireless Networks (Cellular, GSM, 3/4G, LTE, 5G, GPRS, & SMS/MMS)
- Wireless Technologies and Standards (Wi-Fi, Wi-Fi Mesh, WiMAX, Cellular (3/4G), LTE, GSM, GPRS, SMS, MMS, etc., CDMA2000, UMTS

Education

Year	College or University	Degree
1979	Stonehill College, Easton, MA	Bachelor's Degree, Business Management
1985	Lehigh University, Bethlehem, PA St. Joseph's College, Philadelphia, PA	All coursework towards Masters of Business Administration (Thesis not complete)

Professional Experience

From: October 1989
To: Present
Organization: TC International Consulting, Inc.
Title: Founder and President
Summary: TCIC is a full-service Consulting and Training firm specializing in Communications and Computer Convergence. Mr. Bates' role is to assist his client companies with the analysis of options, selection of vendors or products to meet their strategic goals and the training of technologies including Voice, Telephone Systems, Data, Data Networks, Video, Internet, Wireless, Wireless LAN Technologies, VoIP systems and services, Fiber Optics and Infrastructure. This firm has been responsible for selecting and implementing over 100 PBX systems for their client companies. TCIC develops and conducts training for corporate users, manufacturers, and carriers alike.

- Trained at all of the Regional Bell Operating Companies (RBOCs), over 150 Competitive Local Exchange Carriers (CLECs), all of the major Long-Distance Companies (AT&T, SPRINT, MCI/WorldCom [now Verizon]) and most of the large manufacturers (Nortel-Networks, Lucent [now Alcatel-Lucent], Avaya, Mitel, Siemens, Alcatel, Newbridge, Marconi, Cisco), the US Government and Fortune 500 companies.
- Has been involved in and with this industry for more than 47 years and has seen the development and growth of the various technologies, infrastructure, legal, regulatory and technical services.

- Developed curriculum and teaches classes that run at manufacturer and Telephone Company training programs teaching students in the operation of the systems, including:
  - Introduction to Voice Communications
  - Hands on Telephony classes
  - Installing and implementing a PBX solution
  - Hands on Voice over IP
  - Implementing VoIP
  - Securing VoIP
  - IP PBX Solutions
  - Call Center Convergence
  - Introduction to Data Communications
  - Hands on Data Communications
  - LAN and WAN communications
  - Introduction to T1 and T3
  - Optical Networking and SONET
  - Data and Internet Communications, a How to Course for implementing solutions.
  - Ethernet and Gigabit Ethernet
  - Asynchronous Transfer Mode (ATM)
  - Frame Relay a Data Communications design class.
  - Wireless Communications
  - Hands on Securing Wireless Networks
  - Hands on Integrating Wireless Networks (Wi-Fi and Cellular calling)
  - TCP/IP
  - Linking LANs and WANs with Bridging and Routing
  - GPRS
  - GSM (including WAP and MMS)
  - Next Generation Wireless
  - Wi-Fi Certifications (CWNA)
  - Wi-Fi Security Certification (CWSP)
  - Cisco RF Design
  - Cisco Wireless Mesh
  - WiMAX certifications (Wi-MAX RF Engineer)

- Convergence Technologies Professional (CTP) Certification
- RFID Certification (RFID+)

From: September 1986
To: October 1989
Organization: Pepper, Hamilton and Scheetz, Philadelphia, PA
Title: Chief Information Officer- Major Law Firm
Summary:

- Performed complete automation of the law firm's multiple offices around the country.
- Chartered with the selection and placement of computer and communications systems in the offices and providing all the necessary external connections to the rest of the world for long distance, voice and data communications.
- Responsible for the selection and installation of 10 PBX systems all with major integration services.
- Designer of the local area networks (LANs) and the final installation and testing of these systems.
- Created the WAN access and usage through a network of digital circuits using T1 services from many of the common carriers and the new competitors in the industry.

From: September 1979
To: September 1986
Organization: Air Products and Chemicals, Inc. (APCI)
Title: Telecommunications Manager
Summary:

- Designed, selected, analyzed, and implemented all communications projects for the use of voice and data communications at the corporation's 440 sites around the US and 35 international sites. This included the use of telephone systems, dial up telephony and data, leased lines for voice and data, analog and digital circuits (including T1, T3 and fiber optics).
- Responsible for research, selection, and installation of over 250 telephone systems (PBX and Key Systems along with integration systems). While at APCI, was one of the major proponents of using a broadband cabling system (such as found in CATV systems- in 1983).
- Spearheaded a project from communications to integrate our voice, data, TV-video and local area network (LAN) services into what is now known as a Campus area network (CAN). Extended the network using private fiber optic links to many local sites and private microwave within the Allentown, PA area.
- Implemented a multi-site VSAT data network. The charter for the organization was to implement the most reliable communications infrastructure at the best available price. The corporate budget was in excess of $40-50 million annually for telecommunications.

From: April 1977
To: September 1979
Organization: Data General Corporation (DGC), Westboro, MA
Title: Telecommunications Manager for Manufacturing and International Sites
Summary:

- Responsibilities at DGC were to select the best mix of goods and services to be used for the growing corporate needs during a fast development and growth cycle.
- Responsible for selecting equipment (from Bell and competitors) for 100 sites across the world, select services (voice, data, and fax traffic) from the common carriers and to select the appropriate means and protocols to use these goods and service in a way that fostered growth and development of the company's revenue.
- Used a private microwave system to interconnect several sites in a cost-efficient manner.
- Installed a T1 network from coast to coast. The corporate operating budget at DGC was approximately $20 million. Was responsible for the selection and installation of 30 PBXs and 40 key telephone systems.

From: September 1974
To: April 1977
Organization: Hills Department Stores, Canton, MA
Title: Manager of Administrative Services
Summary:

- Was responsible for all communications matters including voice, data, fax, telex and Teletype as printed materials (production print shop).
- Responsible for discount department store's implementation of fast and reliable communications without spending excess corporate funds.
- Responsible for analyzing, selecting, and implementing major communications projects in 50 stores spread throughout the east and mid-west. Charter was to minimize cost while maximizing service to the customer.

From: April 1972
To: September 1974
Organization: Damon Corporation
Title: Telecommunications and Facilities Manager
Summary: Conglomerate that included Medical-Biological Development, Veterinary Products, Clinical Labs, Security Manufacturing and Hobby Craft. The myriad of different systems and services challenged the ability to meet the diverse needs of a medical and security to a hobby shop environment. The responsibilities included the communications of voice and data (limited analog dial up) for the variety of locations across the country. The corporate communications budget was approximately $2.5 million annually.

From: September 1966
To: April 1972
Organization: US Army Signal Corps
Title: Captain
Summary:

- The assignments were in many varied locations including an assignment in Viet Nam with a mobile communications environment, as well as a fixed site using radio-based systems as one of the first troposcatter radio systems installed in this environment. Installed a system that spanned over 400 miles for the military tactical forces.
- As an officer in Germany, was responsible for the operation and control of the Automatic Voice Network (AUTOVON) system in Donnersberg, Germany. Donnersberg was the equivalent of a Central Office (class 3, 4 and 5). Had the operational responsibility for the Pirmasens, Germany Satellite terminal.
- One additional assignment was at the US Army 108th Military Intelligence Group in Ft. Devens, MA. At Ft. Devens, was responsible for providing fixed (landline and fixed radio) and mobile communications to a MI unit. Ran the Communications Center, which entailed telex, Teletype and facsimile services for the military.

Litigation Support Experience

Bolded represents the client I supported.

Expert Engagement Active
Type of Matter: Infringement
Law Firm: GoldbergSegalla
Case Name: Marble v RingCentral
Disposition: Just started awaiting documentation
Date: 10/2023

Expert Engagement Active
Type of Matter: Infringement
Law Firm: Goldman Ismail Tomaselli Brennan & Baum LLP
Case Name: Entropic Communications LLC v DirecTV and AT&T
Disposition: Just started awaiting documents
Date:

Expert Engagement: -Active
Type of Matter: Non-Infringement
Law Firm: K&L Gates LLP
Case Name: Estech Systems IP, LLC **v. Mitel Networks, Inc., First American Financial Corp, Republic of Texas, Inc., and McKesson Corp**. C.A. No. 2:22-cv-00007-JRG-RSP
Disposition: Declarations submitted and Deposed 5/25/23. Case settled September 2023.
Date: 12/2022

Expert Engagement: -Active
Type of Matter: IPR (3 IPRs)
Law Firm: McDonnell Boehnen Hulbert & Berghoff LLP
Case Name: IPR2022-00557, IPR2023-00583, IPR2023-00581 Ericsson Inc., **v. Koninklijke KPN N.V.**
Disposition: Declarations submitted in Dec 2022. Deposed March 2023
Date: 9/2022

Expert Engagement: -InActive
Type of Matter: Infringement
Law Firm: Kasowitz Benson Torres LLP
Case Name: **WSOU Investments, LLC D/B/A Brazos Licensing and Development** vs Netgear C.A No.1 :21-cv-01117-UNA
Disposition: Stayed pending IPRs
Date: 1/2022

Expert Engagement: -Closed
Type of Matter: IPR
Law Firm: McDonnell Boehnen Hulbert & Berghoff LLP
Case Name: IPR2022-00025 Xiaomi Communications Co. LTD. **v. Koninklijke KPN N.V.**
Disposition: Board denied institution of IPR 4/2022
Date: 12/2021

Expert Engagement: -InActive
Type of Matter: Noninfringement
Law Firm: Goldman Ismail Tomaselli Brennan & Baum LLP
Case Name: XR Communications **v Apple, Inc.**
Disposition: Stayed
Date: 10/2021

Expert Engagement: -Closed
Type of Matter: Breach of Contract
Law Firm: THOMPSON & KNIGHT, LLP
Case Name: **Transtelco** v Zayo
Disposition: Settled 2/2023

Date: 5/2021

Expert Engagement: -Closed
Type of Matter: Noninfringement
Law Firm: Morgan, Lewis and Bockius
Case Name: Ancora v **LG**
Produced Report 3/2021
Disposition: Dismissed
Date: 6/2021

Expert Engagement: - Inactive
Type of Matter: IPR
Law Firm: Cooley
Case Name: One-E-Way Inc. v. **Apple Inc.**
Disposition: Declaration submitted December 2020. Awaiting further action
Date: 10/2020

Expert Engagement: Closed
Type of Matter: IPRs (9)
Law Firm: Devlin Law Firm
Case Name: **Sisvel International S.A., 3G Licensing S.A.**, v. Cradlepoint, Inc., etc.
Services Provided: IPRs demanded due to infringement asserted by Sisvel, et al.
Disposition: Declarations submitted, deposed Jan, May, Jun 2021, Jan 2022, Feb 2022
Date: 9/2020

Expert Engagement: Closed
Type of Matter: Infringement Case
Law Firm: Goldman Ismail Tomaselli Brennan & Baum LLP
Case Name: Uniloc v. **Apple** (No. 3:19-cv-01905-JD)
Services Provided: Infringement asserted by Uniloc regarding LTE network devices
Disposition: Dismissed
Date: 10/2020

Expert Engagement: Stayed Inactive
Type of Matter: Infringement Case
Law Firm: Arnold and Porter
Case Name: Uniloc 2017 LLC v**. Google LLC**, civil action nos. 2:18-cv-494 and 2:18-cv-498
Services Provided: Infringement asserted by Uniloc regarding 802.11s and Mesh Networking

Disposition: 2019 case stayed pending IPR review
Date: 2019

Expert Engagement: Stayed Inactive
Type of Matter: Infringement Case
Law Firm: Cooley
Case Name: Uniloc 2017 LLC and Uniloc USA, Inc. v**. Google, LLC** (2:18-cv-00502)
Services Provided: Infringement asserted by Uniloc regarding 802.11a and HiperLAN
Disposition: 2019 case stayed pending IPR review
Date: 2019

Expert Engagement: Closed
Type of Matter: Mediation
Law Firm: Phelps Dunbar LLP
Case Name: Unknown
Services Provided: Dispute over the installation and implementation of a Wi-Fi Mesh Network in Texas.
Disposition: 2019 no further action
Date: 2019

Expert Engagement: Closed
Type of Matter: IPR
Law Firm: Hamilton Brook Smith Reynolds
Case Name: IPR2018-00558 LG Electronics, Inc. v**. Koninklijke KPN N.V.**
Services Provided: IPR regarding Patent 9,014,667 on regulating access to a telecommunications network
Disposition: Declaration submitted October 2018, deposed December 2018. Settled
Date: 2018

Expert Engagement: Closed
Type of Matter: IPR
Law Firm: McDonnell Boehnen Hulbert & Berghoff LLP
Case Name: IPR2018-00558 LG Electronics, Inc. **v. Koninklijke KPN N.V.**
Services Provided: IPR regarding Patent 9,014,667 on regulating access to a telecommunications network
Disposition: Declaration submitted May 2018. PTAB filed their report for continuing the IPR.
Date: 2018 see above case extension

Expert Engagement: Closed
Type of Matter: IPR
Law Firm: Devlin Law Firm
Case Name: IPR2018-00559 LG Electronics, Inc. v. **KPN, N.V.**
Services Provided: IPR regarding Patent 7,995,091on a multichannel access in a communications

	network
Disposition:	Declaration submitted May 2018. PTAB decided not to initiate IPR case closed.
Date:	2018

Expert Engagement: Closed

Type of Matter:	Infringement and Validity
Law Firm:	Latham and Watkins
Case Name:	**TC Technologies** v. Sprint
Services Provided:	Expert working on patent Infringement in an LTE environment (patent dealt with CATV technologies using OFDM and SCOFDMA technologies developed by Cable Labs) being asserted on LTE technologies.
Disposition:	Expert report filed and Validity report completed October 2018. Deposed December 2018 for Infringement and Validity December 2018. Case settled March 2022
Date:	Aug 2017

Expert Engagement: Closed

Type of Matter:	Declaration Only
Law Firm:	Nelson Baumgardner Pc
Case Name:	**Network Managing Solutions, LLC** v. AT&T MOBILITY, LLC et al.
Services Provided:	Declaration on claim construction terms
Disposition:	No further involvement
Date:	March 2018

Expert Engagement: Closed

Type of Matter:	Inequitable Conduct
Law Firm:	Sterne, Kessler, Goldstein & Fox P.L.L.C.
Case Name:	Civil Action No. 3:16-CV-01338-K **Securus Technologies**, Inc. v Global Tel*Link Corporation
Services Provided:	Technical expert on Technologies
Disposition:	Initial Report Submitted Case settled
Date:	September 2017

Expert Engagement: Closed

Type of Matter:	Class Action Suit
Law Firm:	Wilson Sonsini Goodrich & Rosati P.C.
Case Name:	Cause No. 1:14-CV-00737-WTL-**DKLLATONYA SIMMS**, on behalf of herself, and all others similarly situated, v. SIMPLY FASHION STORES LTD, and EXACTTARGET, INC
Services Provided:	Consulting Expert on alleged Telecommunications Consumer Protection Act violations
Disposition:	Parties Settled
Date:	Jun-Jul 2017

Expert Engagement: Closed

Type of Matter:	Trade Secret Case
Law Firm:	Quinn Emanuel Urquhart & Sullivan, LLP
Case Name:	Civil Action No. 2:16-cv-582-JRG-RSP Genband US LLC, v. **Metaswitch** Networks Ltd., ET AL
Services Provided:	Testifying expert on trade secret disclosures worked for Metaswitch
Disposition:	Expert Rebuttal report submitted October 2016. Deposed November 2016. Court dismissed the case March 2017.
Date:	2016-2017

Expert Engagement: Closed

Type of Matter:	IPR
Law Firm:	McDonnell Boehnen Hulbert & Berghoff LLP
Case Name:	IPR2016-00808 Samsung Electronics Co., LTD v **Koninklijke KPN N.V.**
Services Provided:	Consulting expert on Validity of a patent for the Plaintiff regarding the Bates reference (GPRS Book)
Disposition:	Declaration submitted June 2016. PTAB found that there was no need for further actions based on the declaration of the author of the GPRS book (me) in September 2016.
Date:	2016

Expert Engagement: Closed

Type of Matter:	Patent Infringement
Law Firm:	Susman Godfrey
Case Name:	Civil Action No. 2:14-cv-1165 **Koninklijke KPN N.V.** v. Samsung Electronics Co., LTD., et al.
Services Provided:	Consulting expert on Validity of a patent for the Plaintiff regarding the Bates reference (GPRS Book)
Disposition:	Consulting completed June 2016. Settled September 2016.
Date:	2016

Expert Engagement: Closed

Type of Matter:	Patent Infringement and IPR on Validity
Law Firm:	Nelson Bumgardner Pc
Case Name:	Currently involved in Case No. 3:15-cv-00742-TJC-MCR **Patent Asset Licensing, LLC v**. Bright House Networks, LLC. VoIP and Telephony case.
Services Provided:	Worked for Plaintiff on both validity and infringement. Preliminary work completed May 2016 on Infringement, declarations on ***9 different IPRs*** completed October 2016. Submitted reports and declarations to PTAB April 2017. Deposed 3 times in May 2017. Deposed again in August 2017 based on Motions to Amend. Oral arguments presented at PTAB
Disposition:	PTAB ruled in favor of opposition

Date: 2016-2018

Expert Engagement: Closed
Type of Matter: Patent Infringement
Law Firm: Cooley; Farney Daniels; Haynes Boone; Kenyon & Kenyon and Le Clair Ryan
Case Name: ITC Case One-E-Way v. **Creative Labs et al. I**nv. No. 337-TA-943, In the Matter of Certain Wireless Headsets including Bluetooth headsets by GN (Jabra), Jawbone, Blue Ant, Creative Labs and Sony.
Services Provided: Worked for Defendants on both invalidity and non-infringement. Submitted reports on invalidity and non-infringement.
Disposition: Patent Invalidated, appealed and revised
Date: Jan 2018 Case settled July 2018

Expert Engagement: Closed
Type of Matter: VoIP System
Law Firm: Farney Daniels
Case Name: Undisclosed
Services Provided: Consulting expert
Disposition: Parties Settled
Date: 2015

Everything below is Closed and inactive.
Expert Engagement:
Type of Matter: Case dealing with providing message services through a private network and a mobile station.
Law Firm: Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.
Case Name: **EST** v. Samsung, Apple, HTC and LG (et al) – ITC Case number 337-TA-925. Interveners were Apple and Google.
Services Provided: Produced infringement reports and validity reports. Deposed in April 2015
Disposition: Parties Settled
Date: 2015
Expert Engagement:
Type of Matter: ITC case
Law Firm: Latham & Watkins LLP
Case Name: Interdigital v. **Nokia,** ITC Case number 337-TA-613
Services Provided: Consulting expert for Interdigital on the infringement of cellular phones
Disposition: Case appeared before ALJ Jan 2015
Date: 2014 – 2015

Expert Engagement:
Type of Matter: Case dealing with the data communications
Law Firm: Feinberg Day Alberti & Thompson LLP

Case Name: **Intellectual Ventures I and II** v. Motorola, U.S. District Court Southern District of Florida, Case number 0:3-cv-61358-RSR
Services Provided: Worked as a testifying expert for IV on a GPRS adverse to Motorola
Disposition: Case stayed
Date: 2014

Expert Engagement:
Type of Matter: Case involving the use of an SMS phone number only system
Law Firm: Devlin Law Firm
Case Name: What'sApp v. **ICC,** U.S. District Court Northern District of California, Case number 13-cv-04272-JST
Services Provided: Working for Defendant, filed Declaration
Disposition: Parties Settled
Date: 2014 – 2015

Expert Engagement:
Type of Matter: Contract Dispute over UMTS/WCDMA 3G Cellular installation and LTE conversion
Law Firm: Crowe & Dunlevy P.C.
Case Name: Pine Telecom v. **Alcatel-Lucent**, Case Number CIV-11-353-JHP
Services Provided: Worked for Alcatel-Lucent. Report submitted Nov 2013, deposed Dec 2013
Disposition: Court Ruled in favor of ALU
Date: February 2014

Expert Engagement:
Type of Matter: Patent Infringement on local networking products (i.e. local access and PON)
Law Firm: Keker & Van Nest LLP
Case Name: BT v. **Comcast, et al,** Case Number CA No. 11-843(SLR) and 10-658 (SLR)
Services Provided: Invalidity Reports submitted and rebuttals completed. Worked for Comcast on invalidity; deposed July 2013. One of the two patents was found invalid. Based on Markman Hearing in Jan 2014 using R. J. Bates T1/T3 book as prior art.
Disposition: Case dropped by Plaintiff.
Date: March 2014

Expert Engagement:
Type of Matter: Patent ownership case
Law Firm: Hunton Williams
Case Name: Ferguson, et al v. **NTP,** Case Number 08-09767CA
Services Provided: Submitted initial report in 2011, Deposed July 2013
Disposition: Parties Settled
Date: March 2014

Expert Engagement:
Type of Matter: Patent infringement on several products Wi-Fi, VoIP, CATV Modems etc.

Law Firm: Mayer Brown
Case Name: **Mosaid** v. Cisco
Services Provided: Engaged by attorneys representing Plaintiff
Disposition: Defendant Settled
Date: 2014

Expert Engagement:
Type of Matter: Patent interference case dealing with design and development of a Wi-Fi router
Law Firm: Boyle Fredrickson, S.C.
Case Name: Ruckus v. **Netgear**, Patent Interference No. 105,870 (JL) (Technology Ctr. 2400)
Services Provided: Submitted declarations on design issues.
Disposition: Settled in favor of Netgear
Date: 2013

Expert Engagement:
Type of Matter: Telephone system
Law Firm: Farney Daniels, representing Plaintiff
Case Name: Undisclosed
Services Provided: Consulting expert
Disposition: Settled
Date: 2013

Expert Engagement:
Type of Matter: MMS
Law Firm: Farney Daniels, representing Plaintiff
Case Name: Undisclosed
Services Provided: Consulting expert
Disposition: Settled
Date: 2013

Expert Engagement:
Type of Matter: Breach of contract, good faith and fair dealing, unjust enrichment
Case Name: **Evelyn T. Begay** and Denise Nez, individually and on behalf of all others similarly situated, v. Navajo Communications Co., Inc., a NM corporation, District Court of the Navajo Nation Judicial District of Chinle, Case number CV 141-12
Services Provided: Submitted declarations and one report in July 2012
Disposition: No action to date
Date: 2012

Expert Engagement:
Type of Matter: RFID Technology
Law Firm: Farney Daniels, representing Plaintiff

Case Name: Undisclosed
Services Provided: Consulting expert
Disposition: Settled
Date: 2012

Expert Engagement:
Type of Matter: Patent infringement on several products
Law Firm: Hogan Lovells
Case Name: **Mosaid** v. Cisco, ITC Case Number 337_TA-778
Services Provided: Submitted expert reports in Dec 2011 and Jan 2012. Deposed Jan 2012
Disposition: Case dropped to move to new venue
Date: 2012

Expert Engagement:
Type of Matter: Arbitration Case dealing with a contract dispute over the installation and operation of a WiMAX system
Law Firm: Carpenter & Leland LLP
Case Name: **Intralot v**. Gibson Technical Services
Services Provided: Submitted report in October 2012
Disposition: Settled in favor of Intralot
Date: 2012

Expert Engagement:
Type of Matter: Case involving 3G CDMA 2000 technologies
Law Firm: Niro Haller & Niro
Case Name: **MSTG** v. Sprint et al, Case Number 1:09-cv-03684
Services Provided: Reports on Invalidity and Infringement. Deposed twice
Disposition: Parties Settled
Date: 2010

Expert Engagement:
Type of Matter: Case involving infringement on a paging systems patent
Law Firm: Nixon & Vanderhye
Case Name: **Technology Patents LLC** v. Deutsche Telekom, et al, Case number 8:07-cv-03012-AW
Services Provided: Deposed 2009 and 2010 (Reports on Invalidity and Infringement)
Disposition: Most Parties Settled
Date: 2009 – 2010

Expert Engagement:

Type of Matter:	3G WCDMA and CDMA technologies and infrastructure
Law Firm:	Niro Haller & Niro
Case Name:	**MSTG** v. Deutsche Telekom et al (ATT, T-Mobile, Verizon, Cellular One), Case number 08 C 7411
Services Provided:	Deposed in 2009, 2010 and 2011. (Reports on Invalidity and Infringement)
Disposition:	Parties Settled
Date:	2009 – 2011

Expert Engagement:

Type of Matter:	Case involving Central Office and VoIP technologies
Law Firm:	Wilmer Hale
Case Name:	CenterOne Communications v. **Vonage**, U.S. District Court for the Eastern District of Texas.
Services Provided:	Reports on Claim Construction worked for Vonage.
Disposition:	Dropped by Plaintiff
Date:	2009

Expert Engagement:

Type of Matter:	Case involving infringement on a SMS patent
Law Firm:	Niro, Haller & Niro
Case Name:	**TCS** v. Mobil365, Case number Civil Action No. 3:06-CV-485 (JRS) (E.D. Va.)
Services Provided:	Was deposed (Reports on Invalidity and Infringement) and appeared in Jury trial
Disposition:	Jury trial awarded to Plaintiff
Date:	2007

Expert Engagement:

Type of Matter:	Case involving infringement of an 800 intelligent routing and delivery services
Law Firm:	Allen, Dyer, Doppelt, Milbrath & Gilchrist, P.A.
Case Name:	**800Adept** v. Murex Industries, Case number 6:02-cv-01354-PCF-DAB (M.D. Fla.)
Services Provided:	Deposed April 2006. Reports on Invalidity and Infringement
Disposition:	Jury awarded in favor of Plaintiff
Date:	2006

Non-Litigation Consulting Projects

Training Project:

Client:	Aruba Networks (HPE)
Services Provided:	Ongoing TCIC training and certification classes for employees, partners and customers.
Date:	2007-Present

Consulting Project:

Client:	DoceoTech
Services Provided:	Conducted WIMAX/ Mobile WIMAX training and certification classes, reviewed training materials and added content as needed.
Date:	2012-2014

Consulting Project:

Client:	United Lex
Services Provided:	Reviewed a Wi-Fi patent as a consultant to describe the technical details of the Wi-Fi networks (specifically the mesh networks). This was a one-time fee for the review. All further actions and projects have ended.
Date:	March 2020

Consulting Project:

Client: iRunway

Services Provided: Worked as technology consultant to assess various patents in different portfolios from Nokia, Nortel-Networks, Microsoft, Google and others. Researched necessary technical issues for iRunway's EE engineers who develop scenarios, claim charts and financial prospectus for various clients. Projects concluded in 2016. *iRunway offered my services to legal firms where they were the intermediary (similar to IMS, Forensis, Thomson Reuters, Rubin Scientific, etc.) and marked my hourly service fees up.*

Date: 2011 – 2016 Projects concluded in 2016.

Consulting Project:

Client: University of Arizona South, Continuing Education, Sierra Vista, AZ

Services Provided: Developed and conducted training sessions for more than a dozen topics and clients in and around Sierra Vista. These sessions were geared toward RFID+ and Convergence + certification classes for CompTIA, MPLS, DWDM, TCP/IP, IPv6, Networking, WLAN, Securing WLAN, WiMAX, VoIP hands on, Wireless Sharp certification, CWNA/CWSP certification and Securing VoIP. ***Conducted a special Leadership Session for senior managers/ Officers***.

Date: 2004 – 2018

Consulting Project:

Client: Motorola Solutions

Services Provided: Developed an Advanced Wireless Training class for internal employees and partners. Conducted classes for rollout and turned materials over to client.

Date: 2012

Consulting Project:

Client: Electronic Proving Grounds- Ft Huachuca, AZ

Services Provided: Training on wireless Cellular and WiFi technologies and site surveys for use within a practical environment.

Date: 2007 – 2009

Consulting Project:

Client: Cisco

Services Provided: Conducted hands on classes on the Mobility Services Engine that was used to provide location tracking of Wi-Fi users and active RFID/Wi-Fi enabled tags through a joint venture of Cisco and Aeroscout. The active RFID tags using chokepoints enabled the use of tracking of vehicular traffic, temperature, speed, and other environmental conditions. Also developed RF Engineering and Wireless Mesh Training classes, conducted training and tested students.

Date: 2006 – 2011

Consulting Project:

Client:	Element K
Services Provided:	An e-learning house that published several wireless courses for Cisco and others. Was the SME that put the content together and developed the hands-on labs.
Date:	2006 – 2008

Consulting Project:

Client:	Deep Creek Center- Network Computing Magazine
Services Provided:	Conducted training sessions in Boston for Network Computing Magazine on Designing and Securing Wireless Networks.
Date:	2006

Consulting Project:

Client:	UTEK-EKMS
Services Provided:	Patent research studies for various clients for the purpose of rounding our intellectual property portfolios. Also studies to determine market projections and directions for various wired and wireless needs. A technical consultant on-call to review various technologies for their client portfolios.
Date:	2005 – 2006

Consulting Project:

Client:	Airespace Corporation (now Cisco)
Services Provided:	Conducted hands on training for many channel partners, internal employees, and customers on their WLAN products. CCSI for Wireless Products and RF Engineering Class.
Date:	2004 – 2009

Consulting Project:

Client:	Univentures, Phoenix, AZ
Services Provided:	Developed and conducted training for their clients on Network Security, WLANs etc. Nortel Networks, Cisco and UC Berkeley are the main players.
Date:	2003 – 2006

Consulting Project:

Client:	University of California, Berkeley
Services Provided:	Developed training materials and conducted training to their students on various topics including networking, WLANs, DR planning and VoIP. As an adjunct professor for this organization, conducted the classes around the globe.
Date:	2003 – 2004

Consulting Project:

Client:	Andrew Corporation
Services Provided:	Conducting various studies regarding frame relay, VPN studies, Long Distance contract negotiations, Network Operations Center studies, VoIP studies, IP Telephony studies, LAN cabling standards recommendations and Disaster Recovery Planning
Date:	1992 – 2006

Consulting Project:

Client:	Global Knowledge
Services Provided:	Developed and conducted classes on myriad topics, also taught many of their existing classes regarding Wired and wireless networks.
Date:	2001 – 2006

Consulting Project:

Client:	Gerson Lehrman Group
Services Provided:	On call consultant to advise and discuss technologies, trends in the industry and portfolio trends in the telecommunications industry. As one of their top 5% consultants, occasionally go out to clients on a face-to-face basis.
Date:	2000 – 2006

Consulting Project:

Client:	Molex Corporation
Services Provided:	Consulted on wide area networks, contract negotiations and disaster recovery planning. Renegotiated wide area networking contracts for 85 sites in 20 countries.
Date:	1999 – 2005

Consulting Project:

Client:	Nortel Networks
Services Provided:	Developed and conducted classes on Internet, TCP/IP, Business Aspects of the Internet, VoIP, Data, Routing and switching, Bridging, Routing and Gateways, Wireless Networking, Nortel specific classes, ATM, FR and more. Also consulted with BNR engineers regarding VoIP Protocols and design of SIP vs. H.323 products.
Date:	1998 – 2003

Additional prior consulting and training clients:

- Patrick Industries
- Mahi Networks
- AFC
- US Army
- Fidelity Investments
- Weyerhauser
- WPVI-TV6 Philadelphia
- Telcordia
- CIA
- FBI
- US Air Force
- NSA

Professional Affiliations, Achievements & Awards

- Technical Editor, IPTV Magazine, 2006 – 2022
- ***Senior Member of IEEE***
- Active trainer in the areas of:
  - Telecommunications Wired and Wireless
  - Voice
  - Data and Equipment for companies including Digital Equipment Corp., Global Knowledge, DataTech Institute, CAPE Institute, Fastlane, International Institute of Learning and Telcordia Technologies, Airespace, Aruba Networks and Cisco.

Publications

Books and seminars have been used by more than 166 colleges and universities around the globe, and Mr. Bates teaches many communications/computer courses and seminars in over a dozen countries globally.

Books

- Securing VoIP, 2014- Syngress Publishing
- Voice and Data Communications Handbook- McGraw-Hill, 1996 first edition
- Voice and Data Communications Handbook- McGraw-Hill, 1998 signature edition
- Voice and Data Communications Handbook-McGraw-Hill, 2000, third edition
- Voice and Data Communications Handbook-McGraw-Hill 2001, fourth edition
- Voice and Data Communications Handbook-McGraw-Hill, 2006, fifth edition (4Q 2006)
- Broadband Telecommunications Handbook-McGraw-Hill, 1999
- Broadband Telecommunications Handbook-McGraw-Hill, 2002, second edition

- Wireless Broadband Communications, McGraw-Hill, 2000
- Nortel Networks Layer 3 Switching Handbook-McGraw-Hill, 2000
- Optical Networking and Switching, McGraw-Hill, 2001
- Wireless Networked Communications, McGraw-Hill, 1994
- General Packet Radio Services (GPRS), McGraw-Hill, 2002
- cdmaOne and cdma2000, McGraw-Hill, 2003
- Disaster Recovery for LANs, McGraw-Hill, 1994
- Disaster recovery for Telecommunications, Data and Networks, McGraw-Hill, 1991
- Introduction to T1/T3 Networking, Artech Publishing, 1992
- Client Server Internetworking, McGraw-Hill, 1998
- Principles of Voice and Data, McGraw-Hill Educational Group, 2006
- Co-author on Wireless Networks Dictionary from Althos Publishing, 2006.

Articles

Mr. Bates has written several articles for different magazines over the years extolling the benefits of convergence, movement of information across broadband networking strategies and user oriented how to documents:

1. IPTV Magazine Home PowerLine Networks- May 2006
2. IPTV Magazine Wireless Premises Distribution Networks- Mar 2006
3. IPTV Magazine Cable Premises Distribution Networks for IPTV –Jan 2006
4. CIO Magazine Pundit “Wireless Carriers Have the Goods” 2002
5. CIO Magazine Pundit “The Fiber Glut Myth” 2002
6. CIO Magazine Pundit “Cable vs DSL” 2002
7. Crisis Magazine “Disaster Recovery Planning 1998
8. International Journal of Management “Managing Telecommunications” 1997
9. Disaster Recovery Magazine “Planning for Telecommunications Disasters” 1997