

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**



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In the Matter of the Application of NGA 911, LLC (U7347C) to expand the scope of its certificate of public convenience and necessity to include authority to provide full facilities-based and resold competitive local exchange service to serve existing and future Public Service Answering Points (PSAPs) in the service territories of Frontier Communications of the Southwest, Inc., Calaveras Telephone Company, Cal-Ore Telephone Company, CenturyTel of Eastern Oregon, Ducor Telephone Company, Foresthill Telephone Company, Happy Valley Telephone Company, Hornitos Telephone Company, Kerman Telephone Company, Pinnacles Telephone Company, Ponderosa Telephone Company, Sierra Telephone Company, The Siskiyou Telephone Company, Volcano Telephone Company, and Winterhaven Telephone Company.

Application

APPLICATION OF NGA 911, LLC (U7347C)

[PUBLIC VERSION]

GOODIN, MACBRIDE,
SQUERI & DAY, LLP
John L. Clark
505 Sansome Street, Suite 900
San Francisco, California 94111
Telephone: (415) 392-7900
Facsimile: (415) 398-4321
Email: jclark@goodinmacbride.com

Attorneys for NGA 911, LLC

Dated: June 4, 2019

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**

In the Matter of the Application of NGA 911, LLC (U7347C) to expand the scope of its certificate of public convenience and necessity to include authority to provide full facilities-based and resold competitive local exchange service to serve existing and future Public Service Answering Points (PSAPs) in the service territories of Frontier Communications of the Southwest, Inc., Calaveras Telephone Company, Cal-Ore Telephone Company, CenturyTel of Eastern Oregon, Ducor Telephone Company, Foresthill Telephone Company, Happy Valley Telephone Company, Hornitos Telephone Company, Kerman Telephone Company, Pinnacles Telephone Company, Ponderosa Telephone Company, Sierra Telephone Company, The Siskiyou Telephone Company, Volcano Telephone Company, and Winterhaven Telephone Company.

Application

APPLICATION OF NGA 911, LLC (U7347C)

Pursuant to Article I of Chapter 5 of the Public Utilities Code (Section 1001 et seq.), NGA 911, LLC ("NGA 911" or "Applicant") hereby requests that the Commission issue an order expanding the scope of Applicant's certificate of public convenience and necessity ("CPCN") to include authorization for Applicant to provide full facilities-based and resold competitive local exchange service to serve existing and future Public Service Answering Points (PSAPs) in the service territories of Frontier Communications of the Southwest, Inc., Calaveras Telephone Company, Cal-Ore Telephone Company, CenturyTel of Eastern Oregon, Ducor Telephone Company, Foresthill Telephone Company, Happy Valley Telephone Company, Hornitos Telephone Company, Kerman Telephone Company, Pinnacles Telephone Company,

Ponderosa Telephone Company, Sierra Telephone Company, The Siskiyou Telephone Company, Volcano Telephone Company, and Winterhaven Telephone Company.

NGA 911 intends to provide next generation emergency 9-1-1 call routing, transport, and related functionalities to state and municipal governmental agencies to support PSAP operations throughout the state. By Decision (D.) 18-07-032, NGA 911 received a CPCN authorizing it to provide full facilities-based and resold competitive local exchange service throughout the service territories of Pacific Bell Telephone Company, Frontier California Inc., Citizens Telecommunications of California, Inc., and Consolidated Communications of California Company, and full facilities-based and resold interexchange services on a statewide basis.

NGA 911 anticipated that this authority would be sufficient to provide its services throughout the state.¹ However, the state Office of Emergency Services (“OES”) has recently announced that providers who are responding to the OES’ pending request for proposals (“RFP”) for next generation 9-1-1 service providers must have statewide “CLEC” CPCNs. Out of caution, NGA 911 is seeking to expand the scope of its CPCN to include authority to operate as a full facilities-based and resale competitive local carrier (“CLC”), also commonly referred to as a competitive local exchange carrier (“CLEC”), in the service territories of the fourteen small independent incumbent local exchange carriers, plus the service territory of Frontier Communications of the Southwest, Inc., so that it will be able to serve all existing and future PSAPs in the state, wherever located.² NGA 911 has no intention to provide services in these areas, other than next generation 9-1-1 service to PSAPs.

¹ Indeed, in NGA 911’s view, its proposed service constitutes IP-enabled service and, therefore, is generally exempt from regulation. Nevertheless, statewide operating authority issued by the Commission is being required of all entities seeking to provide next generation 911 services.

² NGA 911 is informed that PSAPs are currently located within the service areas of Frontier Communications of the Southwest, Inc. and Sierra Telephone Company.

In order to serve its customers, Applicant intends to rely primarily on existing facilities obtained from other carriers and utilities, but Applicant will construct its own facilities, as necessary. NGA 911 expects that any outside plant construction ordinarily would be small in scale, consisting of construction of relatively short lines or other below- or above-ground facilities, where existing facilities are inadequate. Further, such construction generally would occur in existing roadways or other previously-developed and disturbed rights-of-way. Thus, NGA 911 expects that any such projects would fall within one or more categorical exemptions under CEQA.³

NGA 911 cannot identify, at this time, the specific routes of the infrastructure facilities that it will construct. Accordingly, NGA 911 proposes that the requested grant of full facilities-based construction authority be subject to compliance with the same expedited 21-day environmental review process that was approved for NGA 911's use by D.18-07-032. This process would be as follows:

- Applicant shall provide the Commission's Energy Division with:
 - A detailed description of the proposed project, including:
 - Customer(s) to be served;
 - The precise location of the proposed construction project; and
 - Regional and local site maps.
 - A description of the environmental setting, including at a minimum:
 - Cultural, historical, and paleontology resources;
 - Biological resources; and
 - Current land use and zoning.
 - A construction work plan, including:

³ Available exemptions may include, inter alia, construction projects involving existing facilities (CEQA Guidelines Section 15301), replacement or reconstruction (CEQA Guidelines Section 15302), new construction or conversion of small structures (CEQA Guidelines Section 15303), and construction under other available exemptions.

- Commission Preconstruction Survey Checklist-Archaeological Resources;
 - Commission Preconstruction Survey Checklist-Biological Resources;
 - A detailed schedule of construction activities, including site restoration activities;
 - A description of construction/installation techniques;
 - A list of other agencies contacted with respect to siting, land use planning, and environmental resource issues, including contact information; and
 - A list of permits required for the proposed project.
- A statement of the CEQA exemption(s) claimed to apply to the proposed project; and
 - Documentation supporting the finding of exemption from CEQA.
- The Commission's Energy Division shall then review the submittal and shall notify Applicant of either its approval or its denial of Applicant's claim for exemption from CEQA review within 21 days from the time that Applicant's submittal is complete.
 - If the Commission's Energy Division approves Applicant's claimed CEQA exemption(s), the staff shall prepare a Notice to Proceed (NTP) and file a Notice of Exemption with the State Clearinghouse, Office of Planning and Research.
 - If the Commission's Energy Division disapproves Applicant's claimed CEQA exemption(s), the staff shall issue to Applicant a letter which states the specific reasons that the claimed CEQA exemption(s) do not apply to the proposed project.
 - If the Commission's Energy Division disapproves Applicant's claimed CEQA exemption(s) and Applicant wishes to pursue the project, Applicant shall either re-design the specific project and facilities and then reapply for a finding of exemption from CEQA, or file a formal application with the Commission seeking the requisite approval and full CEQA review, before commencing any full facilities-based construction activities."

NGA 911 proposes, further, that, at such time as G.O. 170 is implemented, NGA 911 be authorized to exercise full-facilities-based authority in accordance with the applicable provisions of G.O. 170, rather than pursuant to the foregoing 21-day expedited review process.

In support of this request, NGA 911 provides the following information:

I. Information Regarding Applicant - Rule 2.1(a)

Applicant's full legal name is NGA 911, LLC. Applicant is a California limited liability company. Applicant's principal place of business is located at 8383 Wilshire Blvd., Suite 800, Beverly Hills, California 90211. Its telephone number is (877) 899-8337.

II. Contact for Correspondence and Communications - Rule 2.2(b)

All communications, correspondence, and pleadings with respect to this application should be directed to:

John L. Clark
Goodin, MacBride,
Squeri & Day, LLP
505 Sansome Street, Suite 900
San Francisco, CA 94111
Telephone: (415) 392-7900
Facsimile: (415) 398-4321
E-mail: jclark@goodinmacbride.com

III. Categorization, Need for hearing, Issues, Schedule - Rule 2.1(c)

Proposed Category: NGA 911 proposes that the Commission classify this proceeding as ratesetting. Although this Application does not affect rates, the definitions of "adjudicatory" or "quasi-legislative" clearly do not apply to this application. Under the Commission's rules, when a proceeding does not clearly fit any of the categories, it should be conducted under the ratesetting procedures. (See, Rule 7.1(e)(2).)

Need for hearing: No hearing is needed for the Commission to act on NGA 911's request.

Issues to be considered: NGA 911 submits that the only issues to be resolved in this proceeding are whether NGA 911 has met the Commission's requirements for authorization to provide the proposed services, specifically:

(1) Whether NGA 911 has demonstrated sufficient technical and managerial ability to conduct the proposed operations;

(2) Whether NGA 911 has met the requisite financial showing required of applicants; and

(3) Whether NGA 911's proposed service will serve the public convenience and necessity.

NGA 911 submits that the information in this Application fully demonstrates that Applicant meets all of the requirements for issuance of the requested operating authority and that no further filings or proceedings are required.

Proposed Schedule: NGA 911 respectfully urges the Commission to act on its application as quickly as practicable, in accordance with the following schedule:

July 2019 - Final date for protests.

July 2019 - Prehearing conference; scoping memo issued; application deemed submitted.

July 2019 - Commission decision issued granting application.

IV. Other Information - Rule 2.1(d)

(1) Technical and Managerial Qualifications

NGA 911 is a recently established technology company offering advanced emergency call routing and handling solutions that, inter alia, will meet the standards developed by OES for deployment of next generation emergency call handling capabilities as a Statewide Prime Core Services Provider.

NGA 911 is managed by a highly skilled team with substantial expertise and experience in public safety communications, related engineering, and business management. Its founder and CEO is Don Ferguson. Mr. Ferguson is joined by Bill Munn, Ph.D., who serves as the company's Vice President; Eric Parry, who is in charge of 9-1-1 Operations; Michelle Bland, ENP, who is the Director of Services; and Ed Veal, who is the Chief Technology Officer, and

Ishka Villa, its Chief Financial Officer. NGA 911's Board of Directors include Don Ferguson, Larry Russ, Koorash Rad, and Elio "Ollie" Galam.

Complete resumes, including all employment, for each of these members of NGA 911's management team are attached hereto as Exhibit A.

(2) Fitness

Attached as Exhibit B is a sworn statement submitted pursuant to Ordering Paragraph 14 of D.13-05-035.

(3) Exemptions

NGA 911 will operate as a non-dominant carrier. Therefore, NGA 911 requests that it be accorded the same streamlined regulatory treatment previously accorded to other competitive local carriers as set forth in D.97-01-015 and as adopted for nondominant interexchange carriers, including, without limitation, the following: exemption from the provisions of Public Utilities Code §§ 816-830 (pertaining to the issuance of stocks and securities) and Public Utilities Code § 851 (pertaining to the transfer or encumbrance of utility assets when such transfer or encumbrance is for the purpose of securing debt), and exemption from any requirement to maintain its books and records in accordance with the Uniform System of Accounts specified in 47 CFR Part 32.

(4) Performance Bond

By its Advice Letter No. 1, NGA 911 filed its performance bond in compliance with D.18-07-032, and by its Advice Letter No. 3, NGA 911 submitted a copy of its bond in compliance with D.13-05-035. Included as part of the Verification of this Application is a sworn statement attesting that NGA 911 will continue to comply with the Commission's performance bond requirements.

V. Organization and Qualification to Transact Business - Rule 2.2

A copy of NGA 911's current articles of organization was included in Exhibit C to Application (A.) 18-05-009, which was filed on May 4, 2019. A current certificate of status (good standing) establishing NGA 911's authority to conduct intrastate business in California are is attached as Exhibit C to this Application.

VI. CEQA Compliance - Rule 2.4

NGA 911's Proponent's Environmental Assessment ("PEA") is attached as Exhibit D.

VII. Description of Proposed Construction - Rule 3.1(a)

As noted above, NGA 911 intends to provide infrastructure facilities (such as conduit, and dark or lit fiber) for use in connection with the transport and transmission of communications. NGA 911 will rely on existing facilities obtained from other carriers and utilities or construct its own facilities, as necessary. NGA 911 expects that any outside plant construction ordinarily would be small in scale, consisting of construction of relatively short lines, installations of a poles where existing facilities are inadequate, and installation or construction of other, small above-ground facilities. Further, such construction generally would occur in existing roadways or other previously-developed and disturbed rights-of-way.

VIII. List of Competitors, Cities, and Counties - Rule 3.1(b)

Pursuant to Decision No. 97-06-107, applications such as this are exempt from the requirements of this rule.

IX. Map - Rule 3.1(c)

A map illustrating NGA 911's existing and expanded service area is attached hereto as Exhibit E.

X. Permits - Rule 3.1(d)

No discretionary franchises or health or safety permits will be required for the provision of the services described herein. NGA 911 will abide by all applicable local permitting requirements in carrying out any construction activities authorized by the Commission.

XI. Public Convenience and Necessity - Rule 3.1(e)

NGA 911 submits the following in support of its belief that the public convenience and necessity require Commission approval of its application:

A. Applicant's proposed operations will be designed to meet California's need for advanced, high quality emergency call routing, transport, and associated telecommunications capabilities.

B. Commission approval of the instant application will reaffirm the principle of competition in the telecommunication market within California and will benefit California telecommunications residents by enhancing the capabilities of the state's emergency communications systems.

C. 47 U.S.C. § 253(a) establishes a national policy favoring competition in the provision of telecommunication services. 47 U.S.C. § 251(f)(1) exempts the small ILECs from certain requirements of 47 U.S.C. § 251(c) that are designed to facilitate competitive entry; but these ILECs are not exempt from competition. Indeed, 47 U.S.C. § 253(a) forbids the Commission from imposing any regulation or other legal requirement that prohibits or has the effect of prohibiting any entity from providing a telecommunications service. In connection with an application to serve the small ILEC areas, the Commission may, however, require a CLEC to obtain status as an Eligible Telecommunications Carrier ("ETC"), if the Commission deems it appropriate to do so. However, as NGA 911 seeks only to provide service to PSAPs and does not intend to hold itself out as a provider of service to the public in general, or portions thereof, NGA 911 respectfully submits that requiring it to obtain ETC status would not serve any

appropriate purpose. Thus, although the Commission has not heretofore issued an order affirmatively eliminating the so-call rural exemption afforded by 47 U.S.C. § 251(f)(1) or formally opening the small ILEC service areas to competition, the Commission should grant the instant application.

XII. Estimated Cost of Construction; Feasibility - Rule 3.1(f)

Any construction activities undertaken by NGA 911 will be funded through financing procured from private sources or through operations.

XIII. Financial Ability and Financing Information - Rule 3.1(g)

NGA 911 has submitted under seal as Exhibit F to this application, a revised guaranty by Ollie Galam of NGA 911's access to cash resources in the amount of \$120,000 for the purposes of instituting its services pursuant to its CPCN, once amended. The guaranty is supported by bank and investment account statements showing uncommitted cash resources that are and will remain available to NGA 911 for use in meeting its cash requirements while this application is pending and during the first full year of operations under its CPCN, as amended. NGA 911 does not anticipate that it will be required to pay any deposits in order to provide its proposed services; however, its financial showing includes \$20,000 in excess of the Commission's basic cash resource requirement to cover any deposits that may be required.

XIV. Statement of Proposed Rates - Rule 3.1(h)

The services that NGA 911 intends to provide are expected to be provided pursuant to special contracts developed on an individual case-by-case basis in accordance with the OES and individual PSAP requirements. However, in the event that NGA 911 provides services not covered by a special contract, a tariff may be required to the extent such services are not permitted to be provided on a detariffed basis. NGA filed a tariff covering its proposed services by its Advice Letter No. 2 and its supplemental Advice Letter No. 2-A.

XV. General Order 104-A - Rule 3.1(i)

No matters that must be reported pursuant to section 2 of G.O. 104-A, have occurred or are expected.

XVI. Number of Customers - Rule 3.1(i)

NGA 911 continues to estimate that it will serve 10 customers during the first year and 50 customers during the fifth year of operations, as stated in A.18-05-009.

WHEREFORE, NGA 911 requests that the Commission grant this application and issue a certificate of public convenience and necessity authorizing it to provide full facilities-based and resold competitive local exchange service throughout the service territories of Frontier Communications of the Southwest, Inc., Calaveras Telephone Company, Cal-Ore Telephone Company, CenturyTel of Eastern Oregon, Ducor Telephone Company, Foresthill Telephone Company, Happy Valley Telephone Company, Hornitos Telephone Company, Kerman Telephone Company, Pinnacles Telephone Company, Ponderosa Telephone Company, Sierra Telephone Company, The Siskiyou Telephone Company, Volcano Telephone Company, and Winterhaven Telephone Company.

Respectfully submitted June 4, 2019 at San Francisco, California.

GOODIN, MACBRIDE,
SQUERI & DAY, LLP
John L. Clark
505 Sansome Street, Suite 900
San Francisco, California 94111
Telephone: (415) 392-7900
Facsimile: (415) 398-4321
Email: jclark@goodinmacbride.com

By /s/ John L. Clark
John L. Clark

Attorneys for NGA 911, LLC

VERIFICATION
ON BEHALF OF NGA 911, LLC

My name is Don Ferguson. I am the CEO of NGA 911, LLC (“NGA 911” or “Applicant”). My personal knowledge of the facts stated herein has been derived from my employment with Applicant.

I affirm that Applicant:

- agrees to comply with all federal and state statutes, rules, and regulations, for a Certificate of Public Convenience and Necessity (CPCN) and state contractual rules and regulations, if granted the request as stated in this Application;
- certifies that all information in the foregoing Application for a CPCN are true and correct;
- agrees, that in the event NGA 911 will continue to post and maintain a continuous performance bond (i.e., there will be no termination date on the bond) in the amount of \$25,000 issued by a corporate surety company authorized to transact surety business in California, and with the Commission listed as the obligee on the bond; and, further, that NGA 911 will provide a copy of the executed performance bond to the Director of the Communications Division with the written notification to the Commission of acceptance of its expanded operating authority;
- NGA 911 does not expect to operate as an interstate common carrier as defined in section 153 of the Federal Communications Act of 1934, as amended, (the “Act”); however, to the extent it engages in operations as a telecommunications

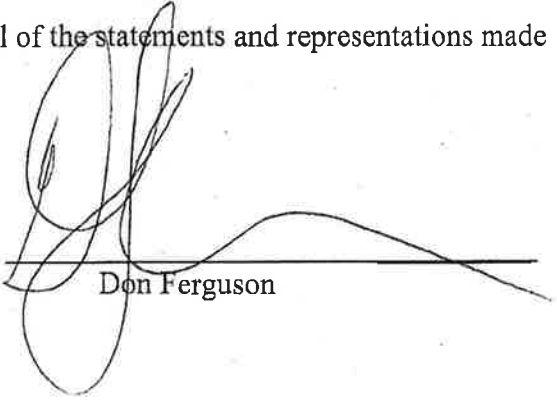
service provider as defined by federal law, it will be eligible to interconnect with the public switched telephone network pursuant to sections 251 and 252 of the Act; and

- NGA 911 will operate as a telephone corporation as defined in Section 234(a) of the California Public Utilities Code (Code) and obey the Code, and all of the Commission's rules, decisions and orders applicable to telephone corporations.

I affirm and declare under penalty of perjury under the laws of the State of California, including Rule 1.1 of the California Public Utilities Commission's Rules of Practice and Procedure, that, to the best of my knowledge, all of the statements and representations made in this Application are true and correct.

Dated: _____

5/30/2019



Don Ferguson

EXHIBIT A

RESUMES

DON FERGUSON

15137 Gilmore Street
Los Angeles, California 91411
(213) 284-1480
talfergie@gmail.com



TECHNOLOGY MANAGEMENT SKILLS

- Strategic Planning & Project Management
- Excellent Communication at all Levels of Stakeholders
- Technology Implementations, Business Process and Requirements Analysis
- Operations, Finance, and Budgeting of Technology Development & Deployment
- Deep Technology Knowledge
 - Architecture, Databases, and Operating Systems
 - Mobile & Cloud Infrastructure
 - SaaS and On premise solutions in enterprise environments
 - Security, Compliance, and Quality
 - Large Scale, Enterprise Systems

TECHNOLOGY SKILLS

- Integration: RESTful, AWS, Nginx, Node.js, Apache, SOAP, SMS, VoIP client & server, Flowroute, Asterisk, Google Apps, Call Center Inbound/Outbound PBX, CRM, MailChimp, USAePay, eCommerce, Affiliate Pro, Quickbooks & Accounting, Security & PCI Compliance, Nest, NOAA, E911 Network Overlay, Facebook, Twitter, Peoplesoft, Oracle Financials, SAP.
- Mobile: iOS, Android, Blackberry, JavaScript, Xcode, HTML5, CSS, Responsive HTML, Bootstrap.
- Databases: PostgreSQL, Oracle, MS SQL, DB2, Sybase, MySQL, MongoDB, IBM AS/400, RDB, RMS
- Operating Systems: Unix variants, OpenVMS, Windows, OS400
- Other: IIS, PHP, ASP, XML, PERL, HTML5, CSS, Photoshop, Google Analytics, Power Director,
- Tools Methodology: General Software Development Life Cycle (SDLC), Waterfall, Spiral/Iterative, Confluence, Jira, Scrum, Agile development, Several Project Management Tools, Stress Testing.

QUALIFICATIONS

Designed, Developed, and Deployed 100's of technology solutions for fortune 500 companies as well as innovative and disruptive start up ventures. Implemented core business solutions across diverse business processes.

Experience	25 years technology leadership position.
Management	Managed P&L, specification, development, and deployment with consulting teams ranging from 5 to 100 contractors and employees.
Finance	Managed budget, as well as P&L, to meet and exceed overall financial cost and revenue targets.
Technology	Hands-on, practical understanding of aligning technology with core business mission.
Communication	Excellent written and verbal communication to effectively harmonize all stakeholders including Board of Directors, Investors, Shareholders, Senior Management, Employees, Vendors, Customers, and Partners.
Education	Bachelor's degree from University of Maryland.

PROFESSIONAL EXPERIENCE

NGA 911 LLC. President & CEO. 2015 - Present

- Lead, in conjunction with the Board, the development of the Company's strategy;
- Oversee the implementation of the Company's long and short term plans in accordance with its strategy;
- Ensure the Company is appropriately organized and staffed and to have the authority to hire and terminate staff as necessary to enable it
- Achieve the approved strategy; to ensure that expenditures of the Company are within the authorized annual budget of the Company;
- Assess the principal risks of the Company and to ensure that these risks are being monitored and managed;
- Ensure effective internal controls and management information systems are in place; o enable it to conduct its activities both lawfully and ethically;

MOBILETREC, CEO, 2008 - 2015

- Negotiated vendor, supplies, and consulting contracts for outsourced, offshore development.
- Develop, recommend and administer budget for technology.
- Supervised Research & Development and Technology Services.
- Recruited and hired consultants and employees.
- Worked with management team to form strategic direction.
- Communicated technology strategy to Board of Directors, Management Team, and Departments.
- Managed development of cloud-based, mobile consumer technology.
- Assessed competitive landscape for new products.
- Created, managed and executed the product roadmap to meet business objectives & goals.
- Worked with key cross-functional teams to manage and deliver all product projects on time and within budget; balanced product requirements and market impact against time to market and project risks.
- Monitored, evaluated, prioritized, and incorporated customer and prospect feedback into project plans and regularly scheduled enhancement releases..
- Monitored key conversion metrics to support continual optimization of the product and business plan.
- Granted system and process patent by USPTO in July 2013.

Environment: Primarily mobile & web technologies, PostgreSQL, Nginx, Apache, Asterisk, PHP, Unix, Android OS, iOS, MySQL, MailChimp, MS Project, Flowroute, E911, HTML5, CSS, Google Apps, Javascript, RESTful, Load Testing, PCI Compliance.

STRATEGIC BUSINESS GROUP, Consultant, 2004 - 2015

Several consulting engagements where Don developed and executed mobile, internet, and social technology plans that remained aligned with sales, marketing, and general business operations in the following business of technology areas:

Project Request Pipeline

- Created and managed business project pipelines with business roadmaps
- Developed first guess cost estimates & Project ROI calculations
- Defined and reviewed business case and scope documents
- Project Governance processes and meetings
- Agile, Waterfall enterprise technology consulting engagements
- Assessed, prioritized, and implemented best-cost, best-value business requests

Technology Solutions

- Reviewed and Assessed technology solutions
- Researched, Identified, and Negotiated with technology vendors
- Translated business needs into technology solutions
- Developed Technology Estimation Models
- Determined technical feasibility and risks for solutions

Business Relationships

- Developed working relationships with Business Leads and Executive Leadership
- Oversaw and manage external Technology Vendors
- Managed hand off and coordination between IT and Business departments

Communications

- Build presentations and presented in meetings that included Executive stakeholders
- Developed dashboards, reports and collaboration models
- Coordinated between Business, IT and Vendors

Process Improvements

- Identified and proactively implemented process improvement efforts across:
 - IT Governance
 - Vendor Management
 - Communications Strategy
 - Business Solutions Portfolio
 - Innovation

Environment: MySQL, Unix, MSSQL, IIS, VoIP, Call Center Inbound/Outbound PBX, AdSense, .NET

METROPOLIS TECHNOLOGIES CORPORATION (OTC:MTPT). Director IT. 2000 - 2004

- Built enterprise internet software product.
- Launched several different brands of that product.
- Worked closely with SEC compliance.

Environment: MSSQL, HTML, CSS, MySQL, Apache, IIS, eCommerce, Javascript, Load Balancing, Load Testing.

OPEN SESAME SYSTEMS. Director of Information Technology. 1996 - 1999

- Managed 100 consultants.
- Generated more than \$10M in sales.
- Enterprise Consulting Services with rapid application development.
- Provided programming, system analysis, and project management, clients included fortune 100 companies in Canada and United States like Citibank, Boston Globe, Gannett, Allstate, American Express, Bank of Montreal, TD Bank, and Steelcase.
- Wide range of business processes, including apparel manufacturing and distribution, money markets, derivatives, insurance, marketing and promotion, sales force automation, national insurance, and back office automation.

Environment: Unix, Oracle, Peoplesoft, Web, MSSQL, SAP, Open VMS, AS/400, DB2/400, Oracle Financials.

MAGIC SOFTWARE ENTERPRISES 1991 - 1996

National Account Manager 1994 - 1996

Generated more than \$5M in licensing and consulting sales.

Used my strong technical background to sell consulting services, tools, and applications to large organizations like United Nations, Emory University, Edison Electric, Steelcase, Chase Manhattan Bank, Allstate, and American Express

Sales Engineer 1990 – 1994

Traveled all over North America providing pre-sales support to the sales of Magic's application development environment, CRM, eService, and eCommerce lines of products.

Senior Consultant 1991 – 1994

Traveled 80% of the time across North America integrating Magic's product into large corporations with complex business processes.

Environment: Client Server, Novell, Windows, Unix, Open VMS, AS/400, DB2/400, Oracle, Sybase, Informix, SAP, Peoplesoft, Oracle Financials.

Edmond S. Vea
edmondvea@gmail.com

215 715-1915

Engineering Executive / Project Manager / Technical Expert

Professional Summary

Over the last 20 years owning, operating, managing, and consulting to businesses and government in Germany, Italy, Japan, and the United States. Managing Sales and Engineering Teams; and serving clients including Deutsche Telekom, Ericsson, AirTouch, Vodafone, T-Mobile, Verizon Comcast, Accenture, McKinsey, the Departments of Justice and Homeland Security, and Bloomberg LP.

Executive Roles: Served as CEO of Detecon Inc and ClosedNetworks -Managed Commercial Cellular and Public Safety Communications Projects including Milestones, Critical Path, Engineering, Finance, Contracts and Vendor Coordination for DETECON and Municipal Clients in Tennessee, North Carolina, Virginia, and New Jersey and New York. Was the key individual dealing with Land Owners, Public Officials, Elected Representatives (local, State and Federal), Citizens, Vendors, Civil Servants, and Suppliers' Employees to deliver projects on spec, within budget and on time.

Program Manager: Program Manager for one of the World's First GPRS Roaming Gateway Projects sponsored by the NA GSM Alliance. Recipient of the GSM System Design Contract for the White House's National Communications System's Wireless Priority Services (WPS). Designed, Built and Delivered one of the first Wireless Perimeter Surveillance Systems in the Country after 9/11. Designed and managed the delivery of a DHS Grant Financed wide area LTR Trunk Systems to Homeland Security Region 7 of TN. Awarded EADS' first P25 Digital Public Safety Radio Network in North America for Cumberland County, TN.

Engineer: Responsible for the specifications, design, acceptance and optimization of well over 750 sites including GigE, Fiber (SONET), Cellular, Microwave, Satellite, Mesh Networks, and Land Mobile Radio. Expert Witness Testimony at the local, State and Federal level on telecommunications and engineering matters. Member of Mobile Radio Technology and Urgent Communications Magazines' Editorial Advisory Panel, and Subject Matter Expert and Advisor to the National Institute of Justice (US Department of Justice) Center of Excellence for Communications Technologies.

Experience

Rivada Networks

From February 2016 to Present

A member of the FirstNet response team covering engineering, quality, process, and solution modeling tasks on an as needed basis. Focus areas include Transport Network Design including PSAP and ESInet specifications, Quality Assurance Metrics, Technical Response review team for a next generation nationwide LTE network leveraging advances in NFV, SDN, and dynamic spectrum allocation techniques, amongst others.

**Business Development North America
blackned North America**

From January 2014 to Present

Working on the planning, development, design, and implementation of an LTE Based Tactical Mission Critical System and Solution. Functional and Services analysis for Alerting, Voice, Data, and Video. LTE Coverage Planning including Link Budget/Antenna and Mast Selection, Traffic Analysis/Loading, and Self Optimizing Network (SON) Parameters. LTE System Pre-Positioning and Rapid Implementation Planning including storage and maintenance of equipment from forward pre deployment depots and energy planning and equipment consistent with potential operating scenarios. LTE System Implementation based on Priority, Preemption, and Degradation over the LTE bearer by service, feature, terminal, and hierarchy and autonomous operation by implementation of redundant/mirrored Evolve Packet Core (EPC).

**Business Development and Strategy Consultant
EdgeConneX**

From April 2014 to January 2016

Providing Business Development, RFP Response, and Contract Negotiation Services to EdgeConneX Small Cell Team for both indoor and outdoor solutions including Cell Design, Backhaul Dimensioning and Design.

Developed Analytical Tools and Models for Cell Coverage, Fiber Routing, Backhaul Aggregation Sites, Network Function Virtualization for LTE and EPC, and Demand Analysis (i.e. POI concentrations).

Bloomberg Government – Leader: Consulting, System Integrator, and Small Federal Contractor Sales Team

Washington, DC.

August 2010 to November 2013

Leader of Team responsible for sales, support, and solutions to the Consulting and Major Federal Consulting and Systems Integrators of Bloomberg's new product for the Federal Market. Booz Allen Hamilton - Produce Market Analysis on Finance Reform (Dodd-Frank Act) for commercial institutions; Deloitte Consulting - Homeland Security Critical Infrastructure Protection; Deloitte Consulting - Small Businesses with Agile Development Capabilities - VA and NIH; McKinsey & Co. - Evaluate Bloomberg Tools to enhance existing Global Capital Market Flows Database; Autonomic Resources - Initial market analysis for one of the first FedRAMP certified Cloud Providers - July 2012; and Accenture - Data Center Consolidation and Cybersecurity Implications of the Federal Cloud Services

National Law Enforcement and Corrections Technology Center – Communications Technologies Center of Excellence

Camden, NJ.

July 2008 to August 2010

Program Manager responsible for Focus Area 3 – Convergent Data Services and a contributor to Focus Area 1 Interoperable Voice Communications.:

- Contributing Member of the Public Safety Communications Research Program (PSCR) Network Architecture Working Group (NAWG) for 700 MHz LTE Interoperability profiles including 4G IMS, Control, roaming, Network Security Architecture, Police Control PCRF, and Traffic Flow Templates – QoS, ARP, QCI
- Urgent Communications Magazine – Editorial Advisory Committee
- Brookline MA. Test and Evaluation of Mission Critical Broadband Communications Network based on 4.9 GHz Technologies
- FCC and NIST 700 MHz Public Safety Broadband LTE Demo Network Technical and Business Plan Contributor
- Alternative Power for Remote Communications Sites
- Broadband Microwave Network RFI, Evaluation, and Presentation
- Broadband Satellite Communications
- Cape May P25 Digital Network Planning, Implementation, Installation, Test and Evaluation Support
- Technical Assistance Support to State and Local Government
- Contributor to International Wireless Expo and Conference - 2008, 2009, and 2010

ClosedNetworks, Inc.

Philadelphia, PA.

November 2002 to May 2008

November 2002-2008: **Founder, President and CEO** of ClosedNetworks, Inc.

August 2003 –2008: **President and General Manager**, Frederick G Griffin Engineering (a wholly owned subsidiary of ClosedNetworks):

Projects as Managing and Engineering Lead:

- Mobile Radio Technology – Editorial Advisory Committee
- Department of Justice – Advisor on P25, SDR, and Digital Radio - Commtech Center of Excellence
- Rutherford County, TN PS Communications Committee Contributor
- Western Regional Homeland Security Committee – NC – PSIC Grant Assistance and Leadership
- Haywood County, North Carolina - Phase I Analysis of Public Safety Communications
- City of LaVergne, Tennessee – Phase I Analysis of Public Safety Communications
- Cumberland County, Tennessee – State of the Art Open Source P25 Trunked System
- Robertson County, Tennessee – 911 Communications Center and Consolidation
- Northern Middle Tennessee Regional Homeland Security Coordinating Committee – PS Comm. System
- Jackson Township, New Jersey – Public Safety Communications System and /CAD/RMS /MDT
- Salem, Virginia – Dispatch Center
- Robertson County, Tennessee - Public Safety Communications System
- Morris County, New Jersey - Public Safety Communications System
- Cherry Hill, New Jersey - Public Safety Communications System
- Smyth County, Virginia - Public Safety Communications System
- Spotsylvania, Virginia - Public Safety Communications System
- Cumberland County, Tennessee - Public Safety Communications System
- Brookline, Massachusetts – Audit of Cellular and PCS Systems and Distributed Antenna System (DAS)
- Indian Hill, Ohio - Audit of Cellular and PCS Systems and Distributed Antenna System (DAS)
- Blacksburg, Virginia – Audit of iDEN Coverage and Interference Potential in Town

Detecon, Inc.
Reston, VA.

From June 1999 to October 2002

President and CEO

Served as President, CEO and Board Member of Detecon Inc. the US subsidiary of the Detecon GmbH the managerial and technical consulting division of Deutsche Telekom.

Senior RF Engineering Consultant to Omnipoint PCS
Philadelphia, PA.

August 1996 to June 1999

Management and Technical Consultant to Ericsson Toshiba KK
Yokohama, Japan

February 1996 to April 1996

Senior RF Engineering Manager to Omnitel Pronto Italia
Rome, Italy

June 1994 to January 1996

RF Engineering Manager to E Plus
Stuttgart, Germany.

November 1993 to June 1994

Engineering Consultant to Mannesmann Mobilfunk
Stuttgart, Germany

May 1991 to November 1993

United States Marine Corps.

January 1984 to January 1988

Education

BA, University of Virginia

MSEE Telecommunications, Southern Methodist University

Relevant Presentations and Papers

- Moderated Wearable Technology Panel – IWCE - 2017
- Moderated 3 Panels: Situational Awareness, LTE Deployable Networks, and Wearable Technology – IWCE - 2016
- LTE Deployable Networks Panel and Wearable Technology Panel – IWCE - 2015
- Presentation on Wearable Technology for Public Safety – APCO Broadband Forum 2014 – May 2014.
- Head's Up FirstNet Here Comes Wearable Tech – Urgent Communications Magazine March 2014
- Proposal Accepted: Presentation IWCE March 2014 - The Necessity of Stand Alone (Autonomous) Operation in FirstNet - Public Safety LTE Broadband
- Presentation: IWCE Priority, Pre-emption and Graceful Degradation in Mission Critical LTE Broadband Networks – March 2010
- NLECTC Webinar: 800 MHz Rebanding – February 2010
- NLECTC Webinar: Alternative Power for Remote Communications Sites – Sept 2009
- Presentation and Paper: IWCE Alternative Power for Remote Communications Sites – March 2009
- Member of the Panel IWCE – Current Developments in Broadband Wireless Data for Public Safety – February 2008
- Moderator: IWCE – Case Study on Multi-Vendor P25 System Solutions – February 2008
- Presentation: TN Emergency Number Association – Next Gen. 911 Centers; January 2007
- Presentation: TN Emergency Number Association – P25 System for Cumberland Co. January 2007
- White Paper for the Honorable Lincoln Davis of TN: Homeland Security Funding and P25 Systems; March 2007
- Presentation and Paper: IWCE Distributed Antenna/Node Systems (DAS) – March 2007
- Presentation and Paper: IWCE 4.9 GHz Benefits and Pitfalls – May 2006
- Presentation: TN Emergency Number Association – Advances in P25 Communications Systems January 2006
- Presentation and Paper: National APCO 4.9 GHz Wireless Data Applications – August 2005
- Presentation: Kentucky APCO On Interoperability – September 2005
- Presentation and White Paper - IWCE Federal Funding, Cooperation, and Interoperability in Public Safety – April 2005
- Presentation: TN Emergency Number Association: All About VoIP; February 2005

PROFESSIONAL EXPERIENCE RESUME – ERIC N. PARRY, ENP

Background Includes 47 years of public safety communications experience, including 20 years of consulting in developing solutions for public safety clients. Law enforcement background and experience in public safety management includes communications center forensic reviews, all aspects of 911 implementation and systems including computer aided dispatch, police, fire and emergency medical call processing models. Developed the first police-based structured protocol call processing system for PSAPs. Consulted in the United States, Malaysia, Argentina, Hong Kong, the United Kingdom, and Canada.

Professional Experience

- Utah Communications Authority - 911 Program Manager
- Colorado 911 Resource Center — NG911 system review
- Burke County, NC—PSAP consolidation feasibility study
- Hays County, TX—PSAP consolidation assessment
- North Central Texas Council of Governments (NCTCOG)—Next Generation services; Telecommunicator leadership training and course development; Strategic planning for EMD implementation, Public Education program execution and outcome measurement
- State of Maine—Statewide review of protocol use and effectiveness of quality assurance systems and certification systems; Development of statewide Police/Fire protocol implementation plan
- Kuala Lumpur, Malaysia—Integrated Public Safety Technologies Service—Consulting with Malaysian federal government on nation's first 3-digit emergency system roll out (police, fire and medical)
- Avon Somerset Police, Bristol, UK—Consulting on 9-9-9 call system and law enforcement protocol implementation
- Office of Unified Communications, Washington, DC—Consultant on implementation of police call processing methodologies
- State of Maryland—Consultant on implementation of emergency call processing systems
- Hong Kong Police—Forensic assessment of emergency calling emergency medical dispatch system
- National Academies of Emergency Dispatch, Salt Lake City, UT—Primary police consultant and communications specialist in structured protocol, quality assurance and automated protocol software systems
- Priority Dispatch Corp, Salt Lake City, UT—Computer Aided Dispatch software development, integration, and performance testing

Education

Electronics Engineering, Northern Alberta Institute of Technology, 1972
Bachelor's Degree in Emergency Management (Equivalency)

Certifications

- Emergency Number Professional (ENP)
- IAED Police Quality Assurance
- IAED Emergency Police, Fire, and Medical Dispatch
- IAED Protocol Instructor
- IAED ProQA™ Software Instructor

Affiliations

- National Emergency Number Association (NENA), Education Advisory Board, NENA Institute Board
- Past President, NENA British Columbia
- International Academies of Emergency Dispatch (IAED) - College of Fellows

Published Author

1999 - Managing the 911 Center (three printings)

Awards

William E. Stanton NENA Service Award (2009)
Jeff Clawson Leadership Award (2017)

NENA Course Writer and Instructor:

- Achieving Excellence in 911 Center Mgmt
- Converging Technologies
- Introduction to Wireless Technology
- Introduction to VoIP
- NG911 for Telecommunicators
- Introduction to Next Generation 911
- Leadership in 911
- Introduction to PSAP Technology
- Missing Persons (online)
- Bullying in the PSAP (online)

OPERATIONS EXPERIENCE

Operations experience was gained largely throughout career with the Royal Canadian Mounted Police (RCMP). Managed the operation of 30 PSAPs throughout British Columbia. Participated in a major 911 Implementation in the City of St. Albert, Alberta. Tasked with emergency communications related matters, and in particular, establishing hiring and training standards for telecommunicators.

Police consultant for Priority Dispatch Corp. (Salt Lake City), instrumental in the development of the first structured protocol system for use by PSAPs for processing police-centric calls. Traveled to many PSAPs throughout the United States and Canada, as well as in the United Kingdom, Hong Kong, and Malaysia, introducing and promoting industry accepted Best Practices. This resulted in the raising of the standards of care and practice provided by emergency call centers both domestically and internationally.

Consultant for Mission Critical Partners, performed PSAP consolidation studies, as well as Next Generation 911 Emergency Services Internet project work. Significant contribution was the State of Maine Quality Assurance study, which was followed by a plan to introduce police and fire protocols to every PSAP in Maine.

EDUCATION EXPERIENCE

Association with NENA began in 1993. Dedicated considerable volunteer effort to NENA's education program having chaired the Education Advisory Board (EAB) for twelve years. Instrumental in fostering and creating education courses supporting the needs of the NENA membership as well as the broader public safety communications community. These include: *Leadership in the 911 Center, Introduction to Wireless E911, Introduction to VoIP, Introduction to Next Generation 911, Missing Persons for Telecommunicators, and Achieving Excellence in 911 Center Management*. Also, I authored a book entitled *Managing the 911 Center* and was heavily involved in the creation and development of the Center Manager Certification Program (CMCP).

Curriculum developer and facilitator for Kwantlen University College. Instrumental in developing Canada's first Public Safety Communications Certificate program.

Address: 1101 Whitney Ranch Parkway, #911, Rocklin, CA 95765
Phone: 916-862-3373
E-mail: kacjuan1@live.com

Michelle Bland, ENP

Objective

To obtain a challenging and rewarding career supporting the needs of the public.

Experience

8/2017 – Present California Department of Technology Sacramento, CA

Procurement Manager (Information Technology Supervisor II)

- Review plans, proposals, and other IT/Telecommunications project documents to ensure effectiveness and efficiency, feasible alternatives, project merits, and proper planning
- Manager responsible for spending plan, budgets, and procurement
- Develop customer relationships
- Develop formal and informal procurements including IFB, RFP, RFQ, and NCBs
- Develop business specifications
- Identify security requirements
- Perform legislative bill analysis
- Facilitate Negotiations
- Develop project plans and timelines
- Analyze department requests for special requirements for technical specifications for completeness and accuracy

6/2007- 8/2017 California Highway Patrol Sacramento, CA

9-1-1 Program Manager (Telecommunications Systems Manager I Supervisor)

- Administrator of the Wireless 9-1-1 Program for the State of California through standards, contracts, and guidelines
- Manager responsible for spending plan, budgets, and procurement
- Analyze department requests for special requirements for technical specifications for completeness and accuracy
- Develop solicitation for bids based on feedback gathered through meetings with State agency representatives and specifications established by Department programs and subject matter experts
- Facilitate the reconciliation and resolution of supplier/state concerns relative to technical and administrative requirements while maintaining competition in accordance with State and Federal laws relating to procurement and contracts and utilizing a personal computer, relate software applications, and various office and communication equipment
- Lead and participate in projects evaluating the most complex bids, peer review and evaluation sessions, testing or demonstration of bidder's equipment, notification of award, and protest hearings by meeting with top management of various large State agencies including Directors, Deputy Directors, Chiefs, Commissioners, etc., on-site or off-site at the requesting State Department's location
- Oversee, train, and supervise assigned staff, including directing daily work activities, develop work schedules, and ensure project coordination and completion
- Hiring, including all required paperwork, development of interviewing criteria, and hiring selection
- Complete all work performance evaluations and any disciplinary actions as required
- Collaborate with staff, management at every level, other State departments, vendors, and local Public Safety Answering Points
- Serve as project leader and skilled consultant to Executive Management. Represented the California Highway Patrol as a subject matter expert, technical advisor, facilitator, and/or member of any task force, committee, advisory group, or project team relevant to 9-1-1 communications

- Identify and perform technical analysis, and evaluate equipment, systems, and services for 25 9-1-1 dispatch centers
- Test and evaluate features, performance, and technical attributes of products, equipment, and services for implementation
- Evaluate all relevant applications for emerging technologies and products
- Facilitate and coordinate between the California Highway Patrol, vendors, utilities, consulting firms, contract and procurement staff and other entities involved in projects
- Perform cost comparisons and cost/benefit analysis. Compiled and submitted information for budget change proposals, write justifications, initiate or amend grant proposals
- Prepare and present recommendations to management for resource allocation to develop and implement new telecommunications systems
- Assist departments and agencies with issues concerning 9-1-1 operations, telecom equipment, personnel, and training programs relative to the Wireless 9-1-1 Program, and Texting to 9-1-1
- Reviewed and validated all operational requirements for system compliance
- Conduct special studies relative to specific kinds of assistance or special applications of departmental policies governing the use of communications relative to the Wireless 9-1-1 Program
- Project Managed multiple large projects concurrently as they impacted the 9-1-1 dispatch center
- Section Commander in the Commander's absence

6/2006 – 8/2007

Department of Managed Health Care

Sacramento, CA

Financial Examiner

- Performed financial audits of health plans throughout the State of California
- Performed compliance audits on health plans licensed in the State of California
- Prepared preliminary and final reports summarizing audit findings
- Conducted exit and entrance conferences of routing examinations
- Analyzed the monthly, quarterly, and annual financial statements of health plans per regulatory guidelines
- Reviewed amendment(s) and material modification(s) filed in connection with a licensed health plan

8/1999 – 6/2006

AT&T

Sacramento, CA

Manager/Engineer

- Implementation Engineer:
 - Prepared financial reports in Oracle.
 - Project managed more than 70 concurrent projects
 - Engineered, ordered, installed, and removed inventory control of interoffice equipment
 - Engineered and installed sonet rings, routers, and gigimons
 - Conducted cost analysis including explanations for over/under runs
 - Directed multiple central office locations while maintaining quality control
- Network Design Engineer:
 - Engineered capacity management for DMS/Lucent switches
 - Determined quantity and timing needs of telecommunication equipment
 - Engineered PRI trunking
- Customer Service Associate:
 - Prepared financial reports in Oracle.
 - Project managed more than 70 concurrent projects
 - Engineered, ordered, installed and removed inventory control of interoffice equipment
 - Conducted cost analysis including explanations for over/under runs
 - Directed multiple central office locations while maintaining quality control

3/1998 – 7/1999

ICF Telecommunications

Santa Rosa, CA

Computer Technician/Office Supervisor

- Facilitated customer requests, customer complaints, and provided conflict resolution for customer satisfaction
- Managed and supervised billing office and staff
- Created an accounting and inventory control system program in Microsoft Access.
- Worked with various internal databases and created various reports utilizing Excel spreadsheets and Microsoft Word

2/1997 – 3/1999

Western Lightsource

Santa Rosa, CA

Administrative Assistant

- Assisted in creating advertising layouts using Adobe Pagemaker
- Computer support technician
- Inventory control
- Maintained computer databases providing daily updates and running system backups.
- Completed customer billing including Accounts Receivable, Accounts Payable, banking, credit checks, and collections

Education/Certification

- | | |
|---|---------|
| • ITIL Foundation Certified | 6/2016 |
| • Leadership for the Government Manager Certificate Program | 7/2015 |
| • Masters Business Administration
University of Phoenix, GPA 3.84 | 11/2006 |
| • Bachelors of Science in Accounting
University of Phoenix
Graduated with Honors, GPA 3.96 | 3/2004 |
| • Certified Emergency Number Professional (ENP)
National Emergency Number Association (NENA) | 8/2010 |
| • Center Manager Certification, CMCP
National Emergency Number Association (NENA) | 10/2010 |

Accomplishments

- Lobbied and Passed National Legislation – PSAP Do Not Call Registry
- Past NENA Educational Advisory Board Member
- CALNENA President and CALNENA Legislative Committee Chair
- Represented/Testified on behalf of CALNENA as the California Highway Patrol 9-1-1 Program Manager at the State Senate and Assembly Hearings

Awards

- | | |
|--|--------|
| • Division Chief Commendation, California Highway Patrol | 2/2016 |
| • Commander's Certificate of Commendation, California Highway Patrol | 2/2013 |
| • Division Chief Commendation, California Highway Patrol | 2/2012 |
| • Recognition of Cross Boundary Collaboration and Partnership, NASCIO | 8/2011 |
| • Best of California Award for Outstanding IT Service and Support Award, GTC | 5/2011 |
| • Recognition and Incentive Certificate of Excellence, AT&T | 9/2003 |
| • President's Star Performance Award, AT&T | 6/2003 |
| • Hidden Hero Award for Customer Service, AT&T | 3/2001 |
| • ERIC Star Performer Award, AT&T | 8/2000 |
| • Above and Beyond the Call of Duty Award, AT&T | 3/2000 |

Memberships

- | | |
|---------------|------------------|
| • NENA Member | 8/2007 - Present |
|---------------|------------------|

Interests

- 9-1-1 For Kids Volunteer
- Past President, California National Emergency Number Association
- Junior Achievement Coordinator, ATT

2012 - Present
1/2014
2001 - 2006

JOHN (BILL) MUNN, Ph.D.

5121 National Court, Arlington, TX 76017
Home: 817-944-6378 • Cell: 817-944-6378

EMERGENCY MANAGEMENT PROFESSIONAL

Solutions-focused, self-motivated team builder with a comprehensive background in emergency operations, project management, business development, government affairs and public relations. Excels at interacting with broad populations and collaboratively implementing targeted action plans to maximize productivity, efficiency and safety. Currently maintains a strong network of relationships with government officials and industry professionals. Highly versatile; quickly masters new roles, responsibilities and environments. Reputation for integrity, dedication and work ethic. *Additional areas of expertise:*

Cross-Functional Team Leadership & Team Building • Strategic Planning • Process Improvement
Safety Audits • Negotiations • Verbal & Written Communications • Presentations • Risk Assessments
Relationship Building • Project Management • Government & Public Relations • Resource Management

ACHIEVEMENT HIGHLIGHTS

- Spearheaded the successful implementation of an Enhanced 9-1-1 network, serving 1.9 million persons in the Dallas-Fort Worth metropolitan area.
- Created and developed the introductory course for Emergency Management for the George Bush School at Texas A&M Center for Integrative Homeland security. Taught course for six semesters.
- Produced a widely distributed set of best practices for missing and abducted child calls for 9-1-1 centers.
- Designed, developed and implemented the Emergency Number Professional program in 1996, the first program to certify managers and commercial providers of emergency 9-1-1 services.

PROFESSIONAL EXPERIENCE

NGA-911, Inc. (MobileTREC) (2010-Present)

Vice President

Maintain full accountability for developing relationships for start-up company providing an Innovative NextGeneration solution for 911 centers, with accountability for delivering service package for expanding market. Position liaisons with public safety agencies and providers, governmental legislative and regulatory agencies and other private sector providers, including software and communications providers. Responsible for developing and managing relationships with numerous local and regional governmental entities for cooperation in developing networks for 9-1-1 emergency communications.

WirelessWERX Inc. (2007-2009)

Director of Business Development

Effectively defined and implemented targeted action plans to maximize operational productivity, efficiency and profitability. Proficiently provided ongoing consulting services to support the development of a strategic plan for start-up company providing location services for 9-1-1 callers with wireless devices in interior locations. Created and integrated a broad spectrum of marketing and advertising initiatives.

National Center for Missing and Exploited Children (2006-2007)

Consultant Contract

Served as a key staff member responsible for overseeing the national cooperative effort between NENA, NCMEC, APCO and Amber Alert, further illustrating advanced communication and relationship building talents. Collaborated with a diverse staff to develop and execute a set of best practices for missing child reports received by 9-1-1 centers.

-Continued-

Tarrant County 9-1-1 District, Fort Worth, TX (1985-2006)

Executive Director

As the Director of the second emergency communications district in Texas, oversaw fully enhanced 9-1-1 service. Led a cross-functional staff in all aspects of daily activities, including accounting, revenue, investments, human resource management, purchasing and annual audit functions.

Selected Highlights:

- Proactively built, cultivated and solidified intergovernmental relationships by interacting closely with legislative and regulatory entities at the federal, state and local level.
- Successfully brought together diverse factions to effectively accomplish common goals, further illustrating diplomatic communication and interpersonal relation skills.
- Played a key role as a Director of Denco Area (Denton County) and took a leadership role in statewide 9-1-1, serving as administrator of the Texas 9-1-1 Alliance, a consortium of 24 communications districts.
- Cost-effectively allocated and administered an annual \$15 Million budget.
- Created and established teams by motivating and influencing multiple professionals with diverse technical abilities to meet and exceed goals.
- Certified Emergency Response Team certification, summer, 2015

EDUCATION

Doctor of Urban and Public Affairs - University of Texas at Arlington, Arlington, TX

MPA - Southern Methodist University, Dallas, TX

BBA - Texas Tech University, Lubbock, TX

TEACHING EXPERIENCE

Online Adjunct Assistant Professor, Critical Incident Management, Tarleton State University – Airport Management courses, Embry-Riddle Aeronautical University, Fort Worth. Fellow of Integrative Homeland Security - Bush School, Texas A&M University; Integrative Center of Homeland Security; *develop and teach course in Emergency Management*

APPOINTED / ELECTED POSITIONS

Commission on State Emergency Communications (CSEC) -
appointed by Governors Clements and Richards to consecutive six-year terms, 1987-2000

ComCARE Alliance, Board of Directors, 1995-1998

North Texas Poison Control Center; Board of Consultants, 1992-1999

PROFESSIONAL AFFILIATIONS

National Emergency Number Association – President (two-terms); Board Member (9 years)

Association of Public Safety Communications Officers

Intergovernmental Relations Program, National Emergency Number Association – Chair; extended professional relations with Congress and federal regulatory agencies.

PUBLICATIONS

"Human Resource Management for 9-1-1," Textbook

"Is Your 9-1-1 System Protected?" article in NENA NEWS, December, 1998.

Employment History for Larry Russ

Member, Board of Directors
NGA 911, Inc.

Employment:

Partner and Founder (1981-present)
Russ, August & Kabat
12424 Wilshire Boulevard, 12th Floor
Los Angeles, CA 90025
<http://www.raklaw.com>

(The law firm was originally formed as a partnership between Larry Russ and Walter Haines in 1981 called Haines and Russ. In 1987, the firm name changed to Haines, Russ, McMurray and de Recat, and was incorporated. In 1990, the firm name changed to McMurray, Russ, August and Kabat, and changed a few years later to Russ, August & Kabat.)

Associate (1978-1981)
Romney, Golant, Disner & Ashen
9720 Wilshire Blvd.
8th Floor
Beverly Hills, CA 90212

Employment History for Koorosh Rad

Member, Board of Directors
NGA 911, Inc.

Employment:

President/Owner
Unique Tronics Inc.
7750 Densmore Ave
Van Nuys, CA 91406
1991 to present

President/owner
KC3 Worldwide Sales Inc.
26500 Agoura RD
Calabasas, CA 91302

President/partner
UTI Real Estate Investments LLC
7750 Densmore Ave.
Van Nuys, CA 91406

Naturally Fast Restaurant
16126 Santa Monica Blvd.
Los Angeles, CA 90025
1989-1991

Carl's Jr. Restaurant
Various stores
1986-1989

Elio "Ollie" Galam

Member, Board of Directors

NGA 911, Inc.

President, Avant for Men

Elio "Ollie" Galam started Avant for Men clothing store in 2008, located in Highland Park, Illinois. In August of 2008 at the height of economic downturn his leadership guided Avant to be one of Chicagoland's finest Men's haberdasheries. With current annual sales of approximately 3 million dollars and nearly doubling the stores square footage Avant has become a well respected player in the menswear and fashion industry to this day. Ollie has spent 33 years in the Men's apparel industry.

Prior to Avant for Men, Ollie was President of Executive Clothiers in Prospect Heights, Illinois from 1994 to 2008. He successfully exited the business and transitioned all of his employees' to the new Highland Park store.

From 1985 to 1994 Ollie was with Mark Shale Men's Stores. Starting on the sales floor in 1985 and quickly moving to senior management in 6 months. He assisted in buying, display, budgets, hiring, and management duties.

Personal information:

Elio Galam
65 Cantal Court
Wheeling, IL 60090
847.409.6220

Mailing address:

Elio Galam c/o
Avant for Men
1849 Green Bay Road Suite 105
Highland Park, IL 60035

CHARMAINE "ISHKA" VILLACISNEROS

Mobile 310 721 3723 • ishkavilla@gmail.com

Action-oriented executive with a strong track record of performance in various industries.

Utilize keen analysis, insights and team approach to drive organizational improvements and implementation of best practices. Superior interpersonal skills, capable of resolving multiple and complex (sales, human resources, legal, financial, operational) issues and motivating staff to peak performance.

PROVEN AREAS OF EXPERTISE

- Organizational Leadership
- Budgeting & Cost Management
- Sales, Marketing & New Business Development
- Process Design & Productivity Improvement
- Contract Negotiations & Strategic Alliances
- Corporate & Investment Finance
- Growth & Expansion Strategies
- Profitability & Cost Analysis
- Systems & Technology Utilization
- Team Building & Performance Improvement
- Apple Certified Associate
- Microsoft Office Certified Professional

PROFESSIONAL EXPERIENCE

NGA 911 Chief Financial Officer

**Beverly Hills, CA
June 2016 – Present**

- Responsible for finance, accounting, investor relations, investments, asset / liability management, human resources, strategic planning and subsidiary finance and operations.
- Within three months had in place a skilled finance organization, consolidated departmental responsibilities and streamlined accounting system.
- Designed and implemented a new billing review process to ensure efficiency and accuracy.
- Advised the Board of Directors on Financial Aspects of the organization.
- Handles the financial projections of the company from date of inception.
- Provide financial reports to the CEO and Board of Directors.

JAG ENTERPRISES Chief Financial Officer

**North Hollywood, CA
April 2010 – June 2016**

- Selected and implemented new accounting network for a businessman with over 30 diversified companies involved with the restaurant business, entertainment, talent agency, bar and restaurant, security storage, property management and the mining operations.
- Directed finance, accounting, human resources and facilitates management.
- Positioned the company for growth by developing viable financial models and planning capital needs.
- Key Personnel in the acquisition of various companies. Managed mergers, acquisitions and divestitures.

TOUCH OF PRAGUE Controller & Financial Analyst

**Monrovia, CA
July 2009 – July 2012**

- Issue timely and complete financial statements
- Coordinate the preparation of the corporate annual report
- Recommend benchmarks against which to measure the performance of company operations
- Calculate and issue financial and operating metrics
- Manage the production of the annual budget and forecasts
- Calculate variances from the budget and report significant issues to management
- Provide for a system of management cost reports
- Provide financial analyses as needed, in particular for capital investments, pricing decisions, and contract negotiations
- Ensure that accounts payable are paid in a timely manner
- Ensure that all reasonable discounts are taken on accounts payable
- Ensure that accounts receivable are collected promptly

ISHKASTER MEDIA CEO / Co-Founder

**Monrovia, CA
October 2007 – Present**

- Founder of a Los Angeles based digital marketing agency, leading a team of 25 full-time and 30+ part time employees

- Led digital marketing strategy and process development for 300+ clients, including SEO, email, web; social and paid media
- Spearheaded 3,500+ medium to large-scale projects, including website re-launch, product launches, marketing automation implementations and industry conferences
- Communicated between sales, operations and management to create unified corporate marketing strategy
- Managed all ongoing digital marketing efforts, including social, email, lead generation, content and more

PERISCOPE MEDIA
Director of Operations

Arcadia, CA
October 2007 – April 2012

- Drove operating costs down 50% over 5 years while maintaining service levels through strict budgetary control and effective vendor management to ensure competitive pricing.
- Played key role in conservative corporate involvement in dot-com market and focus on building strong anchor client base that limited impact of financial crash on company.
- Facilitated business development through preparation of comprehensive and articulate technical portions of proposals that have been highly successful in gaining confidence of prospective clients' IT leadership.

CALIFORNILA
COO / Co-Founder

Los Angeles, CA
July 2007 – Present

- Responsible for managing overall client relationships, including accounting, audit, consulting, tax, as well as billing and collections.
- Developed a practice-providing interim CFO-type and other consulting services to companies in various industries.
- Specialized in financial services, business services, real estate, transportation, IT and distribution companies.
- Provided services to real estate developers, builders, owner/investors, helping to structure financing and investment syndications Helped start and take public three financial institutions.

TELEFONICA, INC.
Director of Human Resources

Manila, Philippines
June 2005 - March 2007

- Successfully implemented a new business process that streamlined the reporting procedures, reducing the human error by 90%
- Responsible for the development and implementation of payroll operations policies to ensure that the company is in compliance with all state and federal regulation.
- Successfully created, reviewed and distributed various payroll reports to support financial projections, audits, HR reviews and compliance issues
- Conducted training for all employees, supervisors and managers on processes related to the time-entry system.
- Successfully developed and executed change management plan to change pay frequency from semi-monthly paying current to a bi-weekly paying in the rears.
- Successfully developed and implemented internal controls that greatly reduced the risk of the misappropriation of company assets.

BUILD-A-LIST
Database Engineer and Information Technology Manager

Manila, Philippines
January 2005 - December 2006

- Deliver cost effective, high performance technology solutions
- Work with fortune 500 clients on multiple projects with varying management and operational settings
- Negotiate and liaise between business teams, technology teams, and support teams
- Identify root causes and corrective actions to meet short and long-term business goals
- Manage project through status meetings, weekly reports, identifying risks, and tracking issues
- Worked with business intelligence and data warehousing tools
- Responsible for specifications, implementations, and analytics

TELECARTE, INC.
Information Technology Business Analyst

Manila, Philippines
March 2003 - January 2005

- Negotiate and liaise between business teams, technology teams, and support teams
- Deliver cost effective, high performance technology solutions
- Worked with users and stakeholders to analyze and validate requirements
- Manage project through status meetings, weekly reports, identifying risks, and tracking issues
- Designed, developed, and deployed business intelligence applications

CERTIFICATIONS

- **Harvard Business School**
 - Financial Accounting Certification (June 2019)
 - Entrepreneurship & Innovation Certification (November 2018)
- **Apple Certified Associate - Mac Integration** (Certificate ID: APPL92997)
 - File Sharing / Emails and Calendars with Microsoft Exchange
 - Network Settings and connections to Active Directory
 - Security Settings, Firewall, VPN
- **Pasadena City College**
 - E-Commerce Business Specialist (Certificate ID: 0343X-35314)
 - E-commerce Site development
 - E-commerce technology and security
 - Customer Relationship Management
 - Web Marketing strategies
 - Online Product Promotion
 - Taxation and International Shipping
- **Microsoft Structured Query Language (SQL)** (Certificate ID: 3819285)
- **Microsoft Certified Office Professional** (Certificate ID: 3819627)
- **De La Salle University Certifications**
 - Systems Implementation, Testing Maintenance and Design
 - ICT Capstone Project
 - Mobile Computing
 - Strategic Management and ICT
 - Web Applications Development
 - Client Relationship Management
 - Information Systems Project Management
 - Usability Engineering
 - Systems Analysis and Design I
 - Organization and Management Concepts
 - Network and Communications
 - Organization and Business Processes
 - Programming and Logic Formulation
 - Database Systems
 - Human Technology Interactions

AWARDS AND CITATIONS

July 2018	Duarte Unified School District Resource Speaker for Career Day
November 2017	FPACC National Conference Speaker for Millennial, Innovation & Technology
May 2017	FACC Greater Los Angeles Speaker – Young Entrepreneurship Movement
April 2017	FACC South Bay Los Angeles Challenges of Women Entrepreneurs
March 2017	Female Network Featured Article / Magazine Interview
November 2016	Entrepreneur Magazine Featured Article / Magazine Interview
May 2015	Fil-Am Masterminds Millennial Entrepreneurship
September 2014	ABS CBN News Featured Article / Magazine Interview
February 2013	University of California (UCLA) Speaker for Luskin School of Public Affairs
March 2012	De La Salle University (DLSU) Department of ICT

AFFILIATIONS / ASSOCIATIONS / MEMBERSHIP

- Asian Business Association
- Pusong Pinoy (Non-Profit Organization)
- FilAm Masterminds
- Start Up Philippines
- Filipino-American Chamber of Greater Los Angeles
- Filipino-American Chamber of Tri-County
- Filipino-American Chamber of South Bay Los Angeles

EDUCATION

2019	Harvard Business School <i>Sustainable Business Strategy and Financial Accounting</i>
2018	Harvard Business School <i>Entrepreneurship & Innovation</i>
2010	Pasadena City College <i>E-Commerce & Web Development</i>
2009	De La Salle University <i>Bachelors of Science in Information and Technology Communications Technology</i> <ul style="list-style-type: none">• Top 5% / Graduated with Honors• 1st Honor Dean's Lister Award, 3.75 GPA• SPRINT Honor's Society Recognition Award

LANGUAGES:

English and Filipino (Tagalog)

EXHIBIT B

SWORN STATEMENT

I affirm that neither Applicant, any of its affiliates, officers, directors, partners, agents, or owners (directly or indirectly) of more than 10% of Applicant, nor anyone acting in a management capacity for Applicant: (a) held one of these positions with a company that filed for bankruptcy; (b) been personally found liable, or held one of these positions with a company that has been found liable, for fraud, dishonesty, failure to disclose, or misrepresentations to consumers or others; (c) been convicted of a felony; (d) been to my knowledge the subject of a criminal referral by judge or public agency; (e) had a telecommunications license or operating authority denied, suspended, revoked, or limited in any jurisdiction; (f) personally entered into a settlement, or held one of these positions with a company that has entered into settlement of criminal or civil claims involving violations of sections 17000 et seq., 17200 et seq., or 17500 et seq. of the California Business & Professions Code, or of any other statute, regulation, or decisional law relating to fraud, dishonesty, failure to disclose, or misrepresentations to consumers or others; or (g) been found to have violated any statute, law, or rule pertaining to public utilities or other regulated industries; or (h) entered into any settlement agreements or made any voluntary payments or agreed to any other type of monetary forfeitures in resolution of any action by any regulatory body, agency, or attorney general.

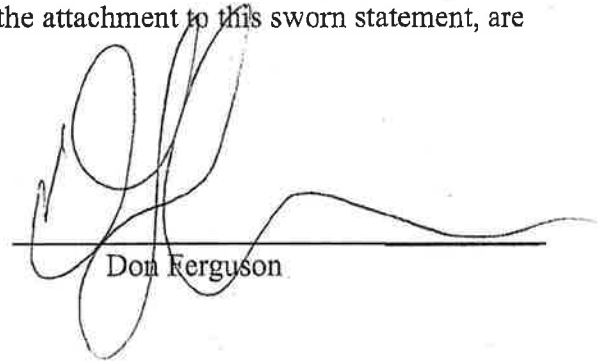
To the best of Applicant's knowledge, neither Applicant, any affiliate, officer, director, partner, or owner of more than 10% of applicant, nor any person acting in such capacity whether or not formally appointed, is being or has been investigated by the Federal

Communications Commission or any law enforcement or regulatory agency for failure to comply with any law, rule or order.

I affirm and declare under penalty of perjury under the laws of the State of California, including Rule 1.1 of the California Public Utilities Commission's Rules of Practice and Procedure, that, to the best of my knowledge, the foregoing and all other statements and representations made in the Application, including the attachment to this sworn statement, are true and correct.

Dated: _____

5/30/2019



Don Ferguson

EXHIBIT C

GOOD STANDING CERTIFICATE

State of California

Secretary of State

CERTIFICATE OF STATUS

ENTITY NAME: NGA 911, L.L.C.

FILE NUMBER: 201614410609
FORMATION DATE: 05/17/2016
TYPE: DOMESTIC LIMITED LIABILITY COMPANY
JURISDICTION: CALIFORNIA
STATUS: ACTIVE (GOOD STANDING)

I, ALEX PADILLA, Secretary of State of the State of California, hereby certify:

The records of this office indicate the entity is authorized to exercise all of its powers, rights and privileges in the State of California.

No information is available from this office regarding the financial condition, business activities or practices of the entity.



IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of the State of California this day of May 13, 2019.

A handwritten signature in black ink, appearing to read "Alex Padilla".

ALEX PADILLA
Secretary of State

EXHIBIT D

PROPONENT'S ENVIRONMENTAL ASSESSMENT

NGA 911 will rely primarily on existing facilities obtained from other carriers in order to provide its services. However, NGA 911 may construct its own facilities in some cases.

NGA 911 expects that any outside plant construction ordinarily would be small in scale, consisting of construction of short conduit stubs and installation or construction of other, small below- or above-ground facilities where existing facilities are inadequate. Such construction generally would occur in existing roadways or other previously-developed and disturbed rights-of-way.

As the Commission has recognized, previously, it can be expected that such projects would fall within one or more categorical exemptions under CEQA. *See, e.g.*, Decision 18-07-032, which granted full-facilities-based authority to NGA 911, subject to compliance with an expedited 21-day environmental review process.

To assure that there would be no significant adverse environmental impacts from any such construction, NGA 911 will follow the procedure described in Decision 13-07-032 to establish whether or not CEQA exemptions apply. This procedure is described in the opening paragraphs of the instant application. If a determination is made that the proposed construction is not exempt, NGA 911 would file a new application for approval of the contemplated project.

NGA 911 submits that the foregoing process assures that it can be seen with certainty that there is no possibility that grant of the instant application may have a significant adverse effect on the environment.

EXHIBIT E

SERVICE AREA MAP

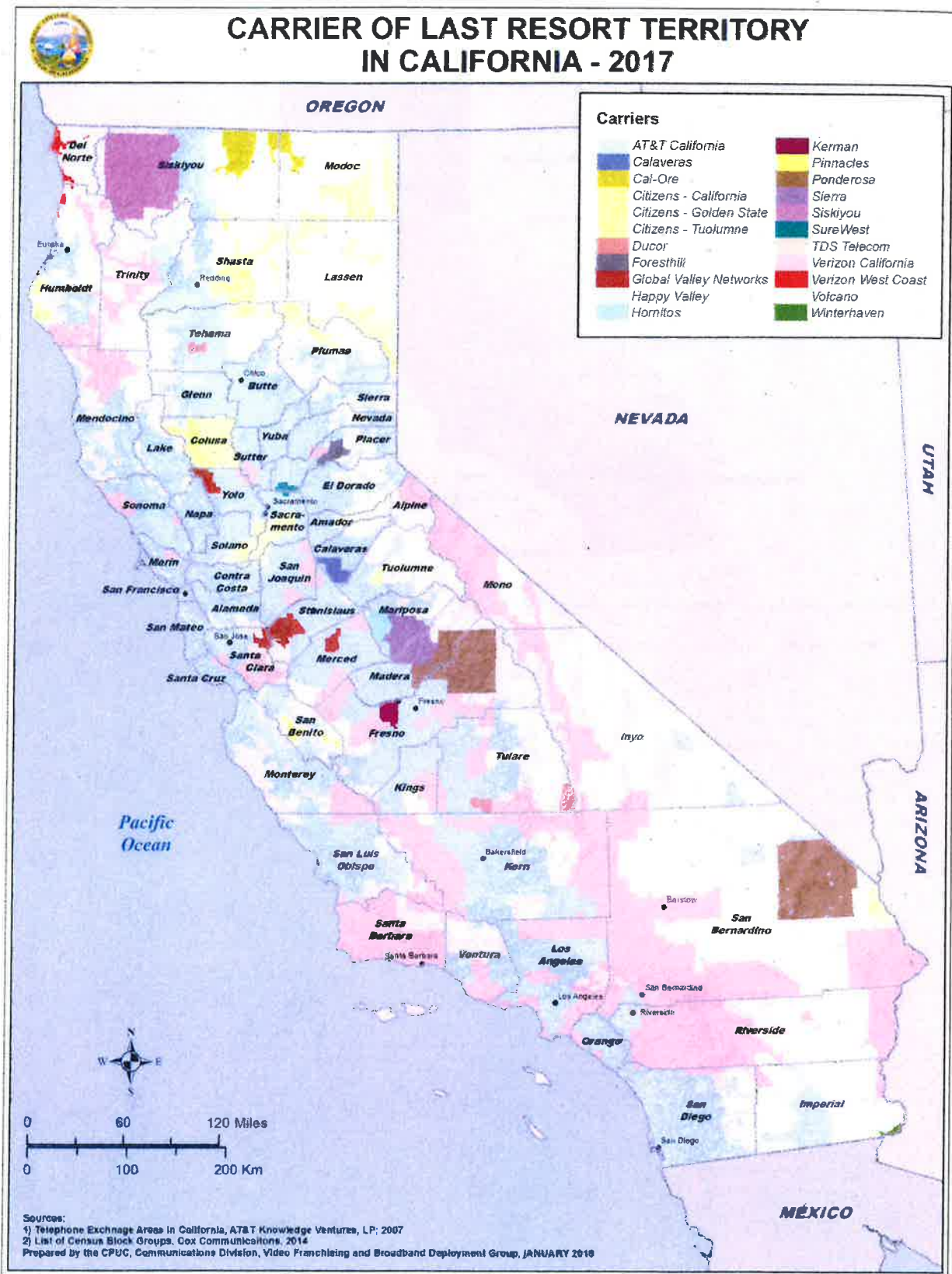


EXHIBIT F

FINANCIAL SHOWING

CONFIDENTIAL

[FILED UNDER SEAL]

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