

DRONE CO-HABITATION SERVICES (DCS)

(a sister organization of **Aviation Management Inc. (AMI)**)

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DCS CAPABILITIES STATEMENT

Our Mission: DCS works with Governmental & Industry clients to advocate and deploy commercial unmanned aerial systems in a safe, orderly, and expeditious Co-Habitation basis with Civilian and Military Airspaces. In doing so, our consulting helps maximize competitive edge, increase value proposition, bring NextGen technologies to bear to accomplish the Client's Mission (and maximize profits).

Our Lead Expert & Founder:

Michael J. Erickson: FAA-Certified Air Traffic Control-ATC Chief at 10 Military or Dual-Use (Civil/Military) Airports; Airport Operations; Tower & Radar TRACON/Non-Radar Approach; TERPS; Graduate Navy/USMC FacMan; USAF & US Army Aviation Command & Staff Colleges. CNS/ATM Technical Expert; ATC Infra Master Planner: Philippines; Indonesia; Malaysia; Vietnam; Cambodia; Lao; China; Mongolia; Nepal. U.S. Defense Contract Awards (USAF Bases: Yokota; WPAFB; Hulbert; Dyess; Sheppard; Laughlin; McGuire/Ft. Dix; Charleston); Navy SeaPort-Enhanced Sub-Contractor; Army AMCOM-Express Sub-Contractor.

Our FAA Section-333 Exemptions:

Pursuant to Section 333 of the FAA Modernization and Reform Act of 2012 (the Reform Act) and 14 C.F.R. Drone Co-Habitation Services (DCS), in collaboration with Aviation Management Inc., LLC (AMI), has been Granted FAA Section-333 Exemption to fly all 1342-types of Commercial UAV-Drones (many dual civil/military roles); nationwide; at-or-below 400-Foot AGL; across all Trades/Industries; during Daytime or Nighttime Operations. We have already filed Request for Waiver to fly Commercial Drones in Extended Visual Line of Sight (EVLOS) & Beyond Visual Line of Sight (BVLOS), which we already preformed during NASA-UTM Drone Trials at Reno-Stead Airport in October 2016. We have already filed Request for Waiver to fly multiple Drones under control of a single Pilot (Drone Swarming) Flight Operations, for Entertainment Customers (e.g. Disney; Theme Parks; Cruise Ships; etc.)...for Collaborative Parcel Delivery Flight Operations...and potentially for US Military missions.

What Are We Doing With Our Exemption:

DCS, supported by Frequentis-USA, is teamed with NASA-UTM to demonstrate our systems ability to operate BVLOS (Beyond Visual Line Of Sight) while successfully complying with NASA's UTM (Unmanned Traffic Management) System. We will test technologies that allow dynamic adjustments to availability of airspace and contingency management, such as onboard autopilot geo-fencing, enhanced safety with back-up data link command and control, and ADS-B

integration communicating via Universal Access Transceiver-UAT into NASA's UTM research platform. This allows us to receive and transmit very basic FAA SWIM-Data. This will allow us to fly sample UAV-Drones, under realistic industrial scenarios and maneuvers for the Trials. We have completed a comprehensive Airworthiness & Flight Safety Review Board (AFSRB) for NASA-UTM Drone Trials, just completed.

To meet the expressed needs of large-fleet Retail/Logistics customers (e.g. US Postal Service; Walmart; Lowes; Home Depot; Target; etc.) who want UAV-Drone enabled Parcel Delivery Services...we are currently Designing our own proprietary national Commercial Drone C2 ATM-Command Centers & Network Operations Center-NOC...after which, we will roll-out nationwide ('Uber'-style) Commercial Drone Operations in quantities exceeding 50,000-Drones...in direct competition to Amazon Prime Air and Google Project Wing.

We have begun marketing our nearer-term Commercial UAV Services towards industries such as National Association of Realtors-NAR; and AT&T (for High-Mast Luminary & Power Line Inspections). Many of our commercial UAV infrastructure plans, and our fleets of commercial UAV-Drones are also the same, dual-use models of Drones that US Military is using nationwide and overseas. Thus, we see potential to pursue not only commercial customers but also US Military; Customs & Border Control-CBP; Homeland Security; Public Police organizations; UAV technology Research & Development (R&D), Platform and System Testing & Trials, generating Community Economic Benefit, conducting aerial video and photography of surface mining sites, construction sites, residential and commercial real estate, civil landscapes and events, closed-set Movie and Picture Filming & Cinematography, over certain other areas of the United States.

DCS/AMI seeks to promote and expand knowledge for the science and art of UAVs. Our Operators, staff, and students of our consulting will use our Exemption and Certificates of Waiver or Authorization (COAs) to create new UAV systems, developing flight operations, and standardizing procedures that will move UAV activity into human daily life.

DCS CONSULTING SERVICES: Drone Co-Habitation Services-DCS Overview

Our Specific Programmatic, Management, and ATC Technical support:

- A. Schedule leading up to Tests with testing periods defined
- B. Implementation plans for FAA, NASA UAV Traffic Management-UTM, EuroControl, etc.
- C. Aircraft anticipated to perform in Flight Test
- D. Missions anticipated to be performed in Flight Test
- E. Major approval or safety challenges
- F. Programmatic Support:
 - 1. Bidding Document Review and Technical Considerations;
 - 2. Competition Review Support;
 - 3. Platform and Sensor Technical Review for both Portable UTM-Platform and Persistent UTM-Platform;

4. Bidders must demonstrate teaming with Industry and Academia for these Contract Awards. We can support their Team Formation.
5. Proposal and Technical Writing Support;
6. Customer Interface Support with NASA and FAA;
7. Air Traffic Control related support to include:
 - (1) ATC Communications
 - (2) Simulation;
 - (3) Airspace Management;
 - (4) Letters of Agreement (LOAs) and Memoranda of Understanding (MOUs);
 - (5) Drone Pilot-to-Controller interactions;
 - (6) Flight Operations Coordination;
 - (7) Flight Planning and Aeronautical Information Management (AIM);
 - (8) Aviation Safety Management Systems (ASM) and Procedures;
 - (9) Course Rules Briefings;
 - (10) Restricted Airspace Coordination and Usage;
 - (11) Training Standardization & Curriculum Development;
 - (12) ICAO-based Aviation English Testing & Training Program Development (for foreign Aviators and Controllers);
 - (13) Support development of Concept of Operations to integrate their platforms into the various Classes of Airspace (e.g. D, E, G airspaces).
 - (14) Spectrum Analysis support, as well as introduce and help them negotiate with terrestrial operating platforms (e.g. Verizon; AT&T; Iridium; Inmarsat; SES-GS; etc.). This will be useful not only for Detection of UAS-Drones, but also for Data Streaming services to get data-packets to NASA for validation of Test.
 - (15) Technical and Documentary information related to Detect and Avoid (e.g. Transponders or Telephone Antenna-based equipment which can be picked-up by ATC). NASA will need to be able to detect the Drones via Live, Virtual, Constructive - Distributed Environment (LVC-DE).
 - (16) FAA-Certified for Flight within the National Airspace System-NAS:
 - (a) Documentation of Test Results;
 - (b) Procedures Development;
 - (c) Technical Writing (e.g. Operators Manual; Integration Manual; Parts & Sparing Manual; Communications Manual; etc.);
 - (d) Certification Application drafting;
8. Pre-Bidding Conference and Formal Presentation Support;
9. Human-Machine Interface (HMI) and Simulation Support (e.g. Drone Pilots vs. ATC Controllers);
10. Support to develop Minimum Operational Performance Standards (MOPS). We can introduce the FAA-models for Required Communications Performance (RCP) and Required Navigational Performance (RNP) that have already been developed for ATC purposes, and help the manufacturer see patterning their MOPS against those RCP/RNP Standards will save them cost and help them better integrate their systems into the NAS (easier FAA Certification).
11. Post-Contract Award Customer Interface and QA Support;

- **DCS REGULATIONS & POLICY SUPPORT**
 - ✓ Federal Aviation Administration (FAA) & Rule-Making Committees
 - Certificate of Waiver or Authorization (COA)
 - Drone Co-Habitation With Air Traffic Control-ATC
 - Airworthiness Standards
 - Communications & Control
 - Airborne Sense & Avoid
 - Frequency Spectrum Analysis & Approval
 - Drone Equipment Technical Evaluations; Certification
 - Test Ranges
 - Drone Business Operators Certificate: Sample FAA COA Application
 - Drone Controllers Certificate
 - Operational Approval & Waivers
 - Drone Radio Operators Certificate
 - ✓ Department of Homeland Security (DHS)

- **DRONE TRAINING & CERTIFICATION CONSULTING:**
 - **Phase 1** Web based ground school
 - **Phase 2** UAV/Drone PC-based simulator
 - **Phase 3** Hands on flight training is conducted by one of our expert flight instructors at one of our flight schools located around the USA. At the end of the program, students will receive the UAV Pilot Certificate
 - ✓ UAV Pilot / Operator Certification Support
 - ✓ Ground Support Personnel Certification Support
 - ✓ Aero-Medical Certification Support
 - ✓ Training Standardization & Supervision (TSS)

- **DRONE APPLICATION SUPPORT**
 - ✓ Drone Civil Application Consulting
 - Insurance Drones
 - Drone Medical Supplies Transport
 - Agriculture Drones
 - Mining Drones
 - Forestry Drones
 - 3D Topographic & Real Estate Drones
 - Construction Drones
 - News Gathering Drones
 - Traffic Monitoring Drones
 - Entertainment Industry Drones
 - ✓ Drone Governmental Application Consulting
 - Traffic Monitoring
 - Environmental & Disaster
 - Intelligence Gathering
 - Surveillance

DRONE BUSINESS PROGRAM MANAGEMENT SUPPORT

- ✓ Business Program Management Support
 - Market Entry Analysis: DCS provides individualized business reports on UAS systems. We can tailor these reports to cover current or future markets. We will deliver timely, thorough, and applicable research based on our database, interviews, and analysis
 - Market Gap Identification
 - Drone Advocacy Consulting; Conference Guest Speaking; International Outreach
 - Government Financial Support
 - DHS Urban Areas Security Initiatives (UASI)
 - FEMA Grants
 - Drone Pricing Model Development (e.g. Price/Hour; Price/Task)
 - Risk Mitigation
 - Business Insurance Coverages; Risk Mitigation
 - Privacy Issues
 - International Expansion
 - Proposal Support
 - Team Arrangement & Facilitation
 - Opportunity Identification
 - Lead Generation
 - Pitch Development
 - Solution Selling
 - Representation at events and meetings
 - Arranging meetings with key stakeholders
 - Initiate marketing activities for greater visibility
- ✓ Business Strategy Development
 - Help growing companies locate investors
 - Introduce investors to up-and-coming opportunities
 - Provide current market forecasts, including gaps and opportunities
 - Recommend methods to raise funds
 - Perform due diligence before transactions
 - Offer guidance in merger & acquisitions

➤ **DRONE TECHNICAL CONSULTING**

- ✓ Customer-driven Drone Specifications & Sub-Systems Consulting
- ✓ Platform Recommendations
- ✓ Technical & Instrumentation
- ✓ Maintenance, Repair, Overhaul (MRO) Consulting
- ✓ Drone Hangar & Bed-Down/Storage

ATTACHMENT-1
MICHAEL J. ERICKSON
AVIATION CV/QUALIFICATIONS

Military Certified, FAA Certified ATC Specialist & Supervisor (TRACON Radar/Non-Radar, Tower, Training Standardization, QA, Airport Operations) at 10 FAA-certified Airports
Graduate of Navy FACMAN, TERPs; Army Aviation Command & Staff College Course; US Air Force Aviation Command & Staff College Course
FAA Certified Air Route Traffic Control Center (ARTCC) Radar/Non-Radar Specialist
U.S. DoD Secret Clearance (previously held-not active)
Multi-lingual (Japanese, English, beginner-level German)
B.S. Aviation Management; MBA (in progress)
35-years of directly-related Aviation & Program Management experience including ATC, Air Traffic Management (ATM), Flow Management, CNS/ATM Technologies, aviation Safety Management System (SMS), Airport Regulations, Airport Safety. Airfield Lighting & ALCMS, Nav aids, Flight Operations, etc.
Airport & CNS/ATM Master Plan Studies including those sponsored by USTDA and JICA/JBIC (Philippines; Indonesia; Malaysia; Vietnam CNS/ATM, Airport, Air Cargo Terminal; Cambodia; Lao; Nepal; China; Mongolia).

Recent Accomplishments: Within past 11-years, started & grew a 1-man aviation consulting business into a thriving Aviation, IT, Program Management Consulting, and Personnel Staffing support company across the world, capturing several million dollars' worth of US & Japan government contracts throughout Asia-Pacific and United States; generating 20-30 Proposals per month, with 9-Proposals currently under consideration by various Contracting Officers.

Fully-versed in DoD FARs/DFARs, as well as FAA Acquisition Regulations. Captured US Federal Government contracts at bases such as: USAF-WPAFB; USAF-Yokota; USAF-Sheppard; USAF-Laughlin; USAF-McGuire/Dix; USAF-Charleston; USAF-Hurlburt; USAF-Dyess; etc. Convinced larger companies to give Sub-Contracts to his company for Navy SeaPort-Enhanced Program and Army AMCOM-Express Program.

- Successfully created and Directed organizational and mission development, multi-cultural staffing and personnel assignment, and supervision and mentoring of project management teams and cross-functional business units.
- Led investigations and promotions of business development opportunities, personally drafted and supervised others in drafting of Proposals, Development Plans, and assignment of execution orders for wide range of missions towards numerous US Governmental Agencies (USAF airbases noted above, plus NAVAIR, USN, FAA, USTDA, USDA/NPS, etc.).
- Hired by large corporations as Consultant to lead/support their Proposal-drafting efforts.
- Expert at listening to Customer's desires, superior technical comprehension of aerospace State-of-the-Art levels, thus making me adept at helping Customers refine their 'wish list' wants, towards achievable needs; able to provide individualized Analysis of Alternatives (AoA) and comparative Cost-Benefit Analysis (CBA) for each given project, based upon competitor's strengths and weaknesses.
- Directed and Supervised Daily, Weekly/Routine interface with Suppliers & Customers by various communications processes to ensure constant feedback/feed-forward networking which produces success.
- Involved in frequent strategic discussions with other company PM Directors to help create vision, goals and objectives for Logistics business.
- Established, Directed, and Championed vision and technical roadmaps for Aviation Master Planning infrastructure activities in Vietnam, Cambodia, Lao, Indonesia, Philippines, Nepal, Taiwan, Japan, etc. This included not only concept development and promotion, but also drafting of hardware and software technical Specifications on systems such as GNSS, ADS-B, CNS/ATM, Airspace Management, Air Traffic Management-ATM, CPDLC, AMHS, etc.
- Extensive 27-years Program Management Experience and increasing leadership responsibility.
- Retired US Military Air Traffic Control Chief, Airport Operations Manager.

- Full understanding of government procurement, DOD contracts, regulations and procedures, and DOD operations and maintenance services. Former Program Management Support to Naval Air Systems Command (NAVAIR/NAWCAD). Successfully captured numerous DoD contracts, successfully negotiated FARs-related Contract Modifications and occasionally, successful FARs-based Protest actions.
- Detailed understanding of Logistics theories, principles, concepts, and techniques; successfully directed various Logistics-focused support contracts; captured numerous company-to-company Logistics Contracts with multi-national corporations.
- Directed global operations in multi-cultural environment, effectively creating & implementing strategic plans with global implications included. Defined Requirements for Programs and drove Program teams to include needs in plans and performance.
- Developed Program Management continuous improvement initiatives linked to business requirements.
- Effective international Programmatic & Technical speaking in front of large groups and communicating messages.
- Capable of extracting the key information from Customers and communicating in concise, easy-to-understand messages.
- Negotiated using deft customer communications at all levels, and effective listening skills.

PROFESSIONAL EXPERIENCE:

Aviation Management Inc., LLC (1 Dec 2002-Present), Herndon, VA; Tokyo, Japan – President; 60+-Hours per week

In addition to AMI duties & responsibilities below, performed as Deputy Director and ATC Subject Matter Expert for JICA-funded, 3-country CNS/ATM Master Planning Study for Vietnam, Cambodia, Lao. Responsible for designing all of the next generation CNS/ATM systems infrastructure for these 3-countries. Worked full-time in Hanoi and on a daily basis with Directors General and Deputy DGs from CAAV, VANSCorp, Cambodia SSCA/CATS, Lao DCA, etc. Maintained effective relationships at all levels. This included all Implementation Planning for Airspace Management, ATC Control Operations and Facilities, Route Optimization, Global Navigation Satellite Systems-GNSS, ICAO Airport Certification & Upgrades, Capacity Enhancement, Airport Terminal Operations, Aviation Safety Management Systems-SMS, Aviation Training & eLearning, Airport & ATC Auditing, etc.

Managed Executive Contact Plans; Defined & articulated Customer Requirements; helped shape their acquisition approaches in order to better position our position/offerings. CNS/ATM consulting support to most Asia-Pacific CAA's and Airport Operators; provide program management and technology briefings at international forums and to governmental/industry focus groups. Coordinated strategic planning efforts; built program image & credibility; maintained quality service; maintained professional and technical knowledge; accomplished organization goals. Profit & Loss responsibility. Drafted Requirements/Procurement Documents in support of numerous Asia-Pacific CAA's (e.g. AMHS Router & Gateway, CPDLC, VCCS, Electronic Flight Strip System, ADS-B, Terminal/Enroute Radar, Airport Communications, Ground Support Equipment, etc.). Supported Indonesia DGAC's ADS & RVSM technical investigations. Supported Philippine ATO's CNS/ATM infrastructure upgrade planning with particular emphasis on Communications. Supported Mongolia CAA's HF Data Link, ATC Recorder, GPS NPA Pilot/Controller Training investigations. Supported Vietnam's airport ground support vehicle & airport infrastructure technical explorations; supported Vietnam Airlines' Flight Operations IT investigations. Supported Malaysia CAA's AMHS Router, CPDLC/ADS-B, & GNSS industry investigations. Supported Singapore CAA's AMHS technical investigations. Participated in USTDA & JBIC ATC and Airport master planning activities. Built project-oriented teams for Tender Proposals related to VSAT, Runway Lighting, and Biometric Passenger/Cargo Clearance; others. Supported e-Airport & Communications Infrastructure upgrades for Tribhuvan International Airport-Kathmandu Nepal. Provided Asian Marketing/Sales consultation to OEM's. Support JCAB R&D efforts on ASMGCS, Aircraft Noise Monitoring, ATS Training, and ATC Simulation. Conference Speaker for Asian CNS/ATM activities at ATN2003 London, ICAO, & CNS/ATM Conferences in Taiwan, Beijing, Jakarta, Nepal, Bangkok, & Maastricht. Created Japan's nationwide Aviation English Testing Program. **Captured numerous US Military Contracts at bases noted above.**

Oki Electric Industry Company (2001-2003), Tokyo, Japan - General Manager, International Mkt. & Sales

Directed ATS Message Handling System (AMHS) & Aeronautical Telecommunications Network (ATN) program development; coordinated JCAB-FAA & JCAB-HK CAD AMHS connection tests; facilitated international AMHS & ATN meetings on behalf of JCAB. Supported JCAB's international CPDLC, D-FIS, & Satellite Communications technical investigations. Drafted ICAO AMSS SARPs. Directed organizational & operational strategies; implement programmatic financial strategies; increased management's effectiveness; developed strategic plan; accomplished subsidiary objectives; coordinated strategic planning efforts; built program image & credibility; maintained quality service; maintained professional and technical knowledge; accomplished organization goals. Directed international partnering efforts with multi-national corporations (e.g. Raytheon, Northrop Grumman, Park Air Systems, NEC, Thales, Collins, Teledyne and others). Established international government/private industry relationships. Reorganized international ATN Division of multi-billion dollar Japanese electronics and aerospace telecommunications company. Program Profit & Loss responsibility. Coordinated multi-lateral governmental equipment trials. Provided Program Management Consulting and international technology briefings to Asia-Pacific governments. Conducted research efforts for international aviation Academies. Guided full life-cycle program management – facilitating R&D. International technical Public Relations. Public speaker at international conferences. Human resource manager.

Secretariat-Airline Electronic Engineering Committee (AEEC) for Data Link Systems Subcommittee and ATN Working Groups: ARINC (2000-2001), Annapolis, Maryland USA - Senior Avionics Engineer, Industry Activities/AEEC

Organized and facilitated ongoing international Airline's avionics committee activities such as AEEC, ATN WG, Datalink Systems SC, for technical Standards & Specifications on commercial air transport aircraft. Secretariat AEEC Data Link Systems SC, Secretariat AEEC ATN Working Group, Secretariat Data Link Users Forum working with multi-national corporations such as Honeywell, Rockwell-Collins, Lockheed-Martin, Northrop-Grumman, as well as with the technical departments of most major airlines in the world. ATN Panel participant. Integrated needs of Engineers, Scientists, and corporate decision-makers on issues such as CPDLC, CNS/ATM, telecommunications, and avionics. Performed technical comparative analysis of equipment. Technical writing (e.g. Industry Editor ARINC Specification 637 (ATN Router), ARINC Characteristic 758 (CMU), ARINC Specification 638 (ATN Overview)). International public speaker. Aviation consulting.

Atlantic Council of the United States (ACUS) (1998-2000), Washington, DC USA - Associate Director, Aviation Safety in Asia Research

Guided Aviation Safety Research Team - Asia. Directing research on Bilateral/Multi-lateral aviation accords between the United States and Japan, China, Taiwan, and Hong Kong. Facilitated Sponsor/Chairman investigations. Located & negotiated retired FAA Administrator & Massachusetts DOT Secretary as Research Co-Chairman. Led funding investigations. Coordinated with governmental & industry representatives. Designed comprehensive aviation safety research overview.

JIL Information Systems (1998-2000), Vienna, Virginia USA - Senior Aviation Analyst/Program Management Support – NAVAIR/NAWCAD PMA-213

Provided on-site technical, managerial and program support to U.S. DoD's Naval Air Systems Command (NAVAIR), NAWCAD, and Naval Test Wing Atlantic Safety Office. Developed acquisition and life-cycle-support documentation for new and existing aeronautical and navigational aids. Drafted management plans, milestones, Specs, Operational Requirements Documents, Requests For Information, Work Unit Assignments & other technical documentation for the Program Office on projects such as MATCALs; ASPARCs; ATNAVICS; AMSIP. Conducted technical comparative analysis of programs & equipment. Helped design Airspace Management Safety Improvement Program & recharted/restructured airspace & ATC procedures for Atlantic Coast USA. Conducted ATC Human-Machine Interface studies.

USMC/FAA (1977-1998) - Air Traffic Control Chief, Airport Operations Manager

Developed & implemented improved human resources tracking and performance evaluation controls for 70 workers in all stages of aviation training & certification. Standardized ATC control procedures, resulting in achieving a zero-

defect rating in application of airport services & increasing controller proficiency & qualifications. Developed & conducted quarterly quality assurance reviews for 3 division (2 Maintenance & 1 Operations), thus laying a foundation of expected outcomes to be achieved consistently. Managed personnel assets in five U.S. States and seven foreign countries. FAA Certified as senior ATC/Operations Specialist at 10 airports or Landing Fields; thoroughly familiar with all Federal Aviation Regulations. Qualified and performed on an almost daily basis Tower and Radar ATC Controller & Supervisor activities. Fully-versed and worked on Radar Approach Control Equipment to include ARTS/PIDP/DAIR information input technology. Supported Operations during FAA's U.S. National PATCO ATC Controller Strike. Directed a technical staff in the development of strategic air operations, compliance to federal government regulations, quality assurance, training, and standardization. Led efforts between FAA representatives and outside agencies for noise-abatement, control procedures, and environmental impact studies. Participated in DoD ATC Inspector General's Staff audits of airfields.

AVIATION & AIR TRAFFIC CONTROL EXPERIENCE (ATC Chief, TSS, Control Tower, Radar Approach Control, etc.):

NAS Memphis, TN
MCAS Cherry Point Airport, NC
MCAS El Toro Airport, CA
MCAS Kaneohe Bay, HI
MCALF Lanai Airport, HI
MCALF Kawai Island Airport, HI
MCAS Iwakuni, Japan
JASDF Air Station, Hofu-shi, Yamaguchi-ken
MCALF Bogue Airfield, NC
Office of the Military ATC Inspector General (OIG)
MCAS Camp Pendleton, CA
MCAS New River, NC

EDUCATION:

Enrolled in Extended MBA Program (Expected Grad. Winter '17)
Regis University, Colorado Springs, CO
Bachelor of Science - Aviation Management 1997
Southern Illinois University, Carbondale, IL – Suma cum Laude
Japanese Language Studies – Intermediate Level Rating
Meguro Language Center, Meguro, Japan
Japanese Language & Cultural Diversity 1994
University of Maryland - Mainland Japan Branch
Total Quality Management/Statistical Control Certificate Program
Coastal Carolina Community College
Argument Based Technical Research Study - no degree
Craven County Community College
Mathematics - no degree
Park College
American History/Psychology/Mathematics - no degree
LA Metropolitan College
Army Aviation Command & Staff College Certificate
US Army
Air Force Aviation Staff College Certificate
US Air Force

Honors & Awards:

U.S. Gold Key National Honor Society (GPA 3.94 on 4.0 scale)
University Dean's Honor List x 8 Collegiate Quarters
Japan Letter of Appreciation
Governor of North Carolina Letter of Appreciation – Community Service
Numerous Military Personal & Unit Commendation Awards

Publications (not all):

Performance Appraisal/Evaluation in the ATC Environment
Comparative Analysis of Air Carrier Operations (JAL, FedEx, Southwest Airlines)
Performance Based Navigation (PBN)
Safety Management System-SMS (patterned after FAA & EuroControl SMS programs)
Government Corporatization of Air Traffic Control
Gate Workload Planning For Air Carrier Operations
Airport Planning & Management
Ethics & Legal Aspects of Aviation Management
RVSM & its impact upon SUA/Class 'A' Airspaces
RVSM & Coordination Between Civil/Military Airspace Users
Eurocontrol ATFM & CFMU Investigation
Air Traffic Control Specialist Training Worldwide
Aircraft & Airport Noise Monitoring Technologies Exploration
Air Traffic Control Specialist Training Study (U.S., UK, Germany, France, Singapore, Australia, Spain, Italy)
Electronic Flight Bag (EFB) Program Management White Paper
Enhanced Flight Visibility System (EFVS) White Paper
Pilot/Controller GNSS Training Curriculum Development
Air Traffic Control Equipment Life-Cycle Support White Paper
Investigation of World Airport & Airline Gatelink Technologies
Required Navigation Performance (RNP)/RNAV Technologies