

Frank Ketcham, MBA
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EDUCATION

MBA, University of Maryland, R.H. Smith Business School

Masters in Business Administration, Executive MBA. Graduated July 2015 GPA 3.7

University of California, Davis

B.A. Economics, Minor Political Science (June 1988)

University of California, Berkeley Extension Business Certificate/MBA Foundation, awarded with distinction (December 2006) Continued Education (Night School): More than 30 units Business Administration (3.83 GPA).

AREAS OF EXPERTISE

Economics, Commercial Aviation, Unmanned (UAS/UAV) Operations, Business Strategy

- Familiar and knowledgeable with FAA NextGen. Completed Mitre Aviation Institute Courses: (1) Air Traffic Management and (2) CNS (Communication, Navigation and Surveillance).
- Authored **Airport and Airspace Traffic Modeling Methods for NextGen** as third author with Ph.D. candidate Tasos Nikoleris and Professor Mark Hansen, UC Berkeley.
- Completed UC Berkeley Institute of Transportation Studies' Airport Planning and Design course 2014.
- Member of Transportation Research Board TRB (Air Transportation) and committee member studying Airport Capacity and Delay and Irregular Operations. Served to review and evaluate research papers for publication and presentation. Also serve as Aviation Expert with National Academy of Sciences on Airport Cooperative Research Project ACRP.
- UAS/UAV/Drone enthusiast; design, build and fly unmanned aircraft, knowledgeable in FAA regulations regarding FAA Exemption 333 and COA, Waiver and FAR 107.

EXPERIENCE

Current full time Employment: Airline Pilot, Delta Airlines: First Officer Worldwide Operations A330, hired June 1998 (Northwest)/currently employed by one of the world's largest airlines with most advanced fleet and route structure. Transitioned to DC-10, B-747, DC-9, and A320 within first five years of employment. Duties and responsibilities include all operational parameters involved in transport category aircraft, such as maintenance compliance, dispatch, operational procedures, FAA Part 121 airline transport regulations, meteorology, safety, crew resource management, passenger communication, conflict resolution and emergency procedures.

Previously held positions:

First Officer, A320/319, DC-9. Based Minneapolis and Detroit.

Second Officer, Boeing 747-200. Based Anchorage, Honolulu, Seattle.

Second Officer, DC-10. Based Detroit, Minneapolis, Honolulu.

Air Cargo Operations experience. Anchorage, AK, Boeing 747-200 freighters.

Current Part Time: Commercial Aviation Specialist/Research Advisor, University of California, Berkeley, National Center of Excellence for Aviation Operations Research (NEXTOR), March 2008 to present. Recently named Strategic Advisor Cal Unmanned, UAS/UAS robotics lab UC Berkeley. Work with Department Head, Professor Hark Hansen, Ph.D., and graduate students providing aviation operations expertise. Initiated, developed, and founded research projects between UC Berkeley and Delta Airlines, Boeing and FAA (FAA fuel modeling validation project 2010/FAA Boeing Predictability project 2011/Delta Dispatch contingency fuel project 2012). Responsibilities include: Assisting projects and research; in-person meetings with students to assist understanding of procedures, terminology, and specialized operations; lecture UC Berkeley Air Transportation Courses CE-260 and Airport Design CE-153; presentations in relation to Flight Operations and Air Traffic Control; organize trips to Operations Centers (maintenance operations, simulator training center, FAA Air Traffic Control, Dispatch Command/OCC).

Pilot, TWA, Trans World Airlines, February 1996 to May 1998

First Officer, McDonald Douglas MD-80/83. Upgraded from Second Officer during probation year (first year of employment). Excelled in training and selected for instructor pilot position. Based at JFK (New York), St Louis, and San Francisco.

Pilot, Sierra Expressway Airline, June 1995 to February 1996

Captain, Jetstream 3200. Selected by executive management to fly as Captain for Airline Certification Proving Runs, flew as Captain with FAA team during three-day trials. Served as Pilot in command and selected for instructor position.

Pilot, WestAir Airlines/United Express, September 1989 to June 1995

First Officer for one of the nation's largest regional airlines based at SFO International. Established strategy to build more than 3,000 hours of flight time within five years to advance to major airline.

Pilot, Calistoga Soaring Center, May 1985 to September 1989

Glider Pilot, flying high-performance ASK-21 and Schweitzer 2-32 gliders over scenic Napa Valley, Mount Saint Helena and Palisades Ridge. Also Tow Plane Pilot (Piper PA-25-250). Employed full-time summers, part-time during school year.

QUALIFICATIONS, CERTIFICATES, SPECIAL SKILLS

More than 20 years and 18,000 hours of accident and incident free experience as an airline pilot flying for regional, major, and global airlines. Extensive experience flying internationally (Pacific and Atlantic operations, Asia, Europe, India). Additionally, familiar and experienced with nearly all major U.S. domestic airports and operations.

Airbus A330/A320/A319 Type Rating

Aircraft Flown: Airbus A330, A320, B727, DC-9, DC-10, MD-80, B747-200

Turboprops: EMB 120 and BA 3100/3200

FAA Airline Transport Rated Pilot (ATP)

FAA Airline Dispatcher Rating (FAR 121)

FAA Advanced Ground Instructor Rating

Flight Engineer Rating B-747, DC-10, B-727

Commercial Seaplane Rating (Floatplane)

Commercial Glider Rating and active glider pilot

FAA Remote Pilot Rating Certificate (FAR 107)

Aerobatic Pilot

Certified California State Mediator, in addition to a full-semester course in Business Negotiation through UC Berkeley Extension.

VOLUNTEER/COMMUNITY

The Rafael Convalescent Home, February 2008 to March 2015. Three to four hours weekly, special activities: men's group, trivia, crossword, comfort and conversation with elderly residents.

Current American Red Cross First Aid and CPR Training.

Blood donor since 1989.

CLUBS AND ORGANIZATIONS

Airline Pilots Association (ALPA)

Soaring Society of America

Transportation Research Board (TRB)

President North Bay Soaring RC Glider Club