



## LECTURE

# The B787 Pilot Qualification Program A Roadmap for Success

Thursday 17th July 2008

**Capt Al Nader**, 787 Training Director, The Boeing Company

The B787 airplane flight training development programs considered business and technical objectives as well as the potential of promising new technology afforded by the new airplane and data support systems. New training tools heavily based on flight deck and airplane simulations also offered the potential for a new training paradigm. The training curricula and training materials were developed with proven Instructional System Design tools and under the auspices of the 787 Pilot Qualification Plan (PQP). The PQP is a cooperative, working together plan that establishes review processes between Boeing, the Federal Aviation Administration, European Aviation Safety Administration and Transport Canada whereby the training development program and deliverables are periodically reviewed at set points in time, called "Gates". Regulators offer comments and suggestions at Gate reviews to insure the training requirements and regulatory considerations are taken into account and issues are resolved. The PQP process involves the regulators throughout the training development program and avoids late breaking problems enroute to course validations and approval for customer training.

This lecture examines the 787 program goals, technology innovations brought about with the new airplane and new training tools leading to a unique flight training course design. The PQP process will also be reviewed along with a discussion of the "Gate" requirements and progress along the roadmap to success.

After retiring from the Air Force as a Colonel in 1988 Al joined Boeing in 1989 as an engineer and Flight Training Simulator Instructor in the 737 Flight Training Group. Then in 1995 he joined the Boeing Flight Crew Technical Organisation as the 737 Technical Focal he was responsible for flight crew procedure development. In 1996 he was promoted to Manager of the 737 Flight Training Group, and was responsible for 737 Fixed Base Simulator training, Computer Based Training (CBT) and development of flight crew operations documents.



In 1997, Capt Nader received a 737 type rating with Airline Transport Pilot certification and became the 737 Fleet Managers where he supervised airline customer ground and flight training operations. In 1998, he became Senior Manager of Boeing Customer Training and Liaison with FlightSafety Boeing Training International (FSBTI).

In October, 2002, Al became Senior Manager of Flight Technical Integration & Data. In this capacity, he was responsible for producing flight technical information for airline flight crews in the form of Flight Crew Operations Manuals, Quick Reference Handbooks, Flight Crew Training Manuals and Flight Attendant Manuals, as well as Electronic Flight Bag document support.

In March 2005, Al was selected as the 787 Training Director and is now in charge of flight, cabin attendant and maintenance training curricula development for the 787. His group develops the training programs and will conduct the first 787 training classes at the Longacres Training Center in Renton, WA. They will also support Alton delivery of the training to customers worldwide. The 787 Training Group and Alton are working together to establish a "New World-Class Training Standard" for the industry with the 787 program using new training technology, simulation and new teaching methodology.

**This lecture has been organised by the Royal Aeronautical Society's Flight Simulation Group in Memory of Captain Ray Jones. The Lecture will take place in the Bill Boeing Room at No.4 Hamilton Place, London. Commencing at 18:00, refreshments served from 17:30hrs.**

**FREE TO ATTEND**

All Visitors Welcome

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