

Biographical Sketch of Captain Kevin M. Smith

Specific role at HFA: Captain Kevin M. Smith serves as a Principal Consultant to HFA in the areas of Commercial pilot training, Aircraft Cockpit Design Methods, System Engineering, and Risk Management.

Areas of Interest: Human Factors in aircraft design, LOFT Training, Operational Decision Making in Flight Operations

Education: BS Electrical Engineering/Applied Mathematics - SUNY
Graduate Naval Air Training Command

Professional Experience: Captain Smith graduated from the Naval Air Systems Command in 1965. He spent multiple tours of duty flying fighter aircraft for the US Navy. Major assignments included Operations Officer and Chief Instructor Pilot for a Readiness Training Squadron and a Squadron Commander deployed on the USS Constellation. He accumulated over 25,000 hours of flight time and has flown fourteen different aircraft types. Accumulating about 4000 hours of military time deployed across seven US Navy Aircraft Carriers.

During Captain Smith's airline pilot career he achieved multiple type ratings in the following Boeing jetliners: B-737; B-747-400; B-757; B-767-300ER; B-777-200P. He spent a tour of duty in the United Airlines Training Center and was a Line Check Captain for the B-767 fleet. Additionally, Captain Smith was internationally qualified in both Atlantic and Pacific operations. He prides himself on being one of the most – if not the most- experienced pilot in the the USA.

Highlights of Professional Activities:

Captain Smith was the task force lead for the industry's first Advanced Qualification Program (AQP). He was a member of the ATA/AQP working group and the chairman of its CRM/LOFT integration sub-committee. He also participated in the early design of the crew station for the Airforce/Lockheed F-22 Air Superiority Fighter. Design methodologies were developed by Captain Smith to deal with the effective management of essential mission critical information for the F-22 air combat mission.

Honors and Awards: Captain Smith received numerous military awards including a Meritorious Unit Citation for His squadron. Captain Smith received a special Seventh Fleet Citation for achieving the highest readiness and highest carrier landing scores in Carrier Airwing Nine (deployed in the USS Constellation).

Publications: Captain Smith is recognized also for the development of a unique theory of "Risk Management." See for example: "Human Factors in Simulation and Training" (Ch. 14) Published by Taylor-Francis Group; and "Technology Engineering and Management in Aviation: Advancements and Discoveries; published by IGI-Global. Captain In addition, Capt. Smith created the "On Board Risk Management Decision Aid" that is presented in *The Journal of Technology and Innovation*; Proceedings of the National Academy of Inventors. Volume 13 Number 3. Published by Cognizant Communications.

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