

Biography of Dr. Dana Broach

Dana Broach is a personnel research psychologist at the FAA Civil Aerospace Medical Institute (CAMI). Dr. Broach's primary research is personnel selection. His work focuses on the relationship of knowledge, skills, abilities, and other personal characteristics to job and task performance in safety-critical occupations such as air traffic controllers. Dr. Broach has done work in job analysis, human ability taxonomies, test development, job performance measures, test validation, utility analysis, and workforce planning for the air traffic control specialist and systems specialist occupations in the FAA. He has also conducted research on controller and pilot performance and age, with particular reference to mandatory retirement rules for both occupations.

Dr. Broach has 93 journal articles, book chapters, technical publications and presentations. He earned his master's degree and doctorate in Industrial/Organizational Psychology from the University of Tulsa in 1991 and has worked at the FAA Aerospace Human Factors Research Division since 1989.

Current research includes the following tasks:

Evaluation of ATCS Biographical Data and Interview Selection Procedures

Strategic Job Analysis – Selecting the Air Traffic Controller of the Future

Dr Broach is active in several scientific organizations and workgroups:

Aerospace Medical Association (AsMA)

American Institute for Aeronautics and Astronautics

Association for Aviation Psychology

Association for Psychological Science

Society for Industrial and Organizational Psychology

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