

JAMES K. (JIM) ALLERDICE, JR.
CHIEF CONSULTANT FOR TERMINAL OPERATIONS,
MANAGING PARTNER, ABCX2, LLC

Jim Allerdice began his Air Traffic Control career when he entered the United States Air Force in May 1980. After receiving an Honorable discharge from the US Air Force, Jim began his 31-year FAA career in November 1983. He has worked in all types of Terminal facilities culminating with over 22-years at Atlanta Tower/TRACON.

Jim was the Chief Designer of the Area Navigation (RNAV) infrastructure for the Atlanta Hartsfield-Jackson International Airport (ATL). He pioneered new and innovative designs such as the Equivalent Lateral Spacing Operations (ELSO) based on the MITRE Study, which enables reduced divergence RNAV Off-The-Ground (OTG) departure operations. The ELSO design was predicted to increase departure capacity between 8-13 operations per hour and has equaled or exceeded those expectations since full implementation in October 2011.

Jim was also heavily involved in the research and development of Optimized Profile Descents (OPD). Through collaborative efforts with Georgia Tech and the FAA, some of the first OPD Standard Terminal Arrivals (STARs) were designed and implemented within the Atlanta Terminal Radar Approach Control (TRACON) (A80) and Atlanta Air Route Traffic Control Center (ARTCC) (ZTL) airspace.

Jim also worked on other pioneering efforts such as RNAV Visual Flight Procedures (RVFP) Established on Required Navigational Performance (RNP) (EoR) approaches, and RNAV Closely Spaced Parallel Operations (CSPO) procedures.

Jim was the Lead Specialist for the Atlanta Class B Airspace redesign. This required organizing public forums for discussion and feedback on the Class B design through contacts with local, state and federal agencies. Jim was also the Lead Presenter at numerous public forums interacting with various groups that were interested in the impact that the proposed design would have on their homes, business and communities.

Jim was presented the Secretary of Transportation's Award for Excellence on November 15, 2012, for "Outstanding Service to the American People, Recognizing [his] Dedication, Achievement and Leadership in the areas of Performance Based Navigation, Environmental Stewardship and Fiscal Responsibility." This award was presented for his work designing and implementing Performance Based Navigation procedures as the Atlanta TRACON NEXTGEN Support Specialist.



Areas of Expertise

- NextGen
- Procedure Design
- Project Management
- Industry Collaboration

Education

- Studied Aviation Technology, Purdue University;
- Air Traffic Control, Community College of the Air Force

Certifications

- Private Pilot Certificate
- Control Tower Operator
- Black Belt (1st Dan) Choi Kwang Do Martial Art

Awards & Publications

- Secretary of Transportation Award for Excellence – 2012
- (Co-Author) Development and Operational Transition of the First PBN-Enabled Departure Separation Standard – Presented at ICNS Conference, April 2015. - Winner of Best Performance Based Navigation Paper in Session.
- (Co-Author) Concept and Benefits of PBN-Enabled Parallel Approach Operations – Presented at the AIAA Forum and Exposition in June 2015.