

ERNEST TIMOTHY (TIM) CHAMBERS
CHIEF CONSULTANT FOR ENROUTE OPERATIONS,
ABCX2, LLC



Mr. Chambers is a founding partner of and Chief Enroute Consultant for ABCx2, LLC. He has 31 years enroute Air Traffic Control experience with the Federal Aviation Administration (FAA) including over 19 years as an Airspace and Procedures Specialist at Atlanta Air Route Traffic Control Center (ARTCC). He has an extensive background in Performance-Based Navigation (PBN) procedures development and implementation at high volume airports including Hartsfield-Jackson Atlanta International (ATL), Charlotte Douglas International (CLT) as well as other regional airports.

Mr. Chambers led the enroute procedures team during the development of the initial RNAV Standard Instrument Departures (SIDs) and Standard Terminal Arrival Routes (STARs) at ATL and CLT. His work continued through the various revisions and updates as technology and aircraft capabilities evolved. His work included the design, modeling and implementation of dual arrival flows from the northeast and northwest into ATL.

In cooperation with other FAA organizations, industry and Georgia Tech, Mr. Chambers was also instrumental in the early research and flight trials of Continuous Descent Arrivals/Approaches (CDAs) at ATL. This work led to the development of Optimum Profile Descents (OPDs) which have become a cornerstone of NextGen/PBN implementation throughout the NAS.

Mr. Chambers' background includes:

- Development of airspace & procedures for various military training/maintenance operations
- Collaboration with aircraft manufacturing facilities for flight test of prototype and newly manufactured production airframes
- Implementation of special departure/arrival procedures for medical emergency helicopter operations in remote landing areas
- Integration of sky diving and soaring activities in congested, high traffic areas

Since joining ABCx2, Mr. Chambers has provided consulting services to several major airports with respect to proposed PBN initiatives and the impacts and benefits of those procedures to the airport and surrounding community. He also provides ongoing services to a major airline seeking to maximize PBN benefits from a user perspective.

Areas of Expertise

- NextGen
- Procedure Design
- Traffic Analysis

Education

- Georgia Southern University
- FAA Academy (ATC EnRoute)

Professional Courses/Certifications

- (FAA Course 50019)
AIRSPACE AND PROCEDURES
- (FAA Course 12000)
INTRODUCTION TO NEPA REQUIREMENTS AND PROCEDURES
- (FAA Course 15300050)
INTRODUCTION TO FLIGHT PROCEDURES (TERPS)
- (FAA Course 21000061)
FLIGHT VALIDATION OF SATELLITE-BASED PERFORMANCE BASED INSTRUMENT FLIGHT PROCEDURES