



Federal Aviation Administration

Memorandum

Date: 08/27/14

To: Al Spence, Directives Program Manager, Office of IT Enterprise Services,
AES-200

From: Bruce DeCleene, Manager, Flight Technologies and Procedures Division,
AFS-400 *Bruce DeCleene*

Subject: Cancellation of Advisory Circular (AC) 90-45A

AC 90-45A, *Approval of Area Navigation Systems for Use in the U.S. National Airspace System*, should be cancelled. The document refers to legacy, rudimentary VOR/DME systems, and is no longer the standard for Area Navigation (RNAV) reference or approval.

Operators will find relevant information regarding airworthiness and operational considerations in AC 20-138, *Airworthiness Approval of Positioning and Navigation Systems* and AC 90-100A, *U.S. Terminal and En Route Area Navigation (RNAV) Operations*. Additional information can be found in AC 90-108, *Use of Suitable Area Navigation (RNAV) Systems on Conventional Routes and Procedures*, and AC 90-105, *Approval Guidance for RNP Operations and Barometric Vertical Navigation in the U.S. National Airspace System and in Remote, and Oceanic Airspace*.

Obstacle clearance for RNAV procedures, discussed in the document, is located in Order 8260.3, *United States Standard for Terminal Instrument Procedures (TERPS)*, and Order 8260.53, *Standard Instrument Departures That Use Radar Vectors to Join RNAV Routes* and guidance for geodesic information computation is included in Order 8260.58, *The United States Standard for Performance Based Navigation (PBN) Instrument Procedure Design*.

If you have questions or concerns please contact Trent Bigler, Aviation Safety Inspector, 202-267-8844 or trent.bigler@faa.gov.