Introduction to Electromagnetic Effects (EME)
Instructors: C. Bruce Stephens, Darren L. Stout (This course may be taught one or both instructors.)

Description
This course will provide students with an understanding of Electromagnetic Effects related to aircraft engineering, testing requirements for both DO-160 Bench Testing and an introduction to Aircraft Level Testing, and FAA Certification requirements related to Electrical Bonding/ESD/P-Static/Aircraft Wiring/EWIS/TPED’s/EMC/HIRF/Lightning/Lightning Fuel Prevention and FAA Certification Requirements.

Highlights
• EME best practices
• Team EME compliance workshops
• DER/UM EME requirements
• EME examples and practical applications
• Review of the Advisory Circulars related to EME.
• Daily real examples of problems and solutions related to EME certification

Who should attend?
The course is designed for all aircraft design areas including certification engineers and managers, electrical, avionics, HIRF & lightning engineers, DO-160 laboratory and aircraft technicians. Aircraft managers, project engineers, and all other system engineers working in electrical/avionics/HIRF/lightning/EWIS-related areas should also attend. The course is also appropriate for recently graduated students or employees who wish to get a head-start in understanding the exciting career opportunities related to electromagnetic effects engineering.