**Description**

This class is designed to educate program managers, system engineers, design engineers and test engineers/technicians in the aspects of the United States military standard-oriented environmental, electromagnetic interference and power quality testing, with the intention of obtaining an Airworthiness certification. The intention of this course is to acquaint personnel involved in new military aircraft efforts or the modifications of existing military aircraft to add enhanced capabilities with the knowledge of the testing that will be required so that system and design engineers may develop equipment designs that are robust enough to pass the Military Standard testing, test engineers may properly design test plans for their equipment, and program managers are aware of the time necessary to accomplish this testing.

**Highlights**

- Top-level overview of the U.S. military airworthiness process
- Comparison of the military versus civilian airworthiness process
- Introduction and overview of the documents defining military testing
- An introduction to the environmental tests, their purpose, and a typical setup for performing each test
- An introduction to the electromagnetic interference tests, their purpose, and a typical setup for performing each test
- An introduction to the power quality tests, their purpose, and a typical setup for performing each test

**Who should attend?**

Any program manager, systems engineer, design engineer and/or test personnel who are or may become involved in the design and manufacturing of any items for which an airworthiness certification is desired.