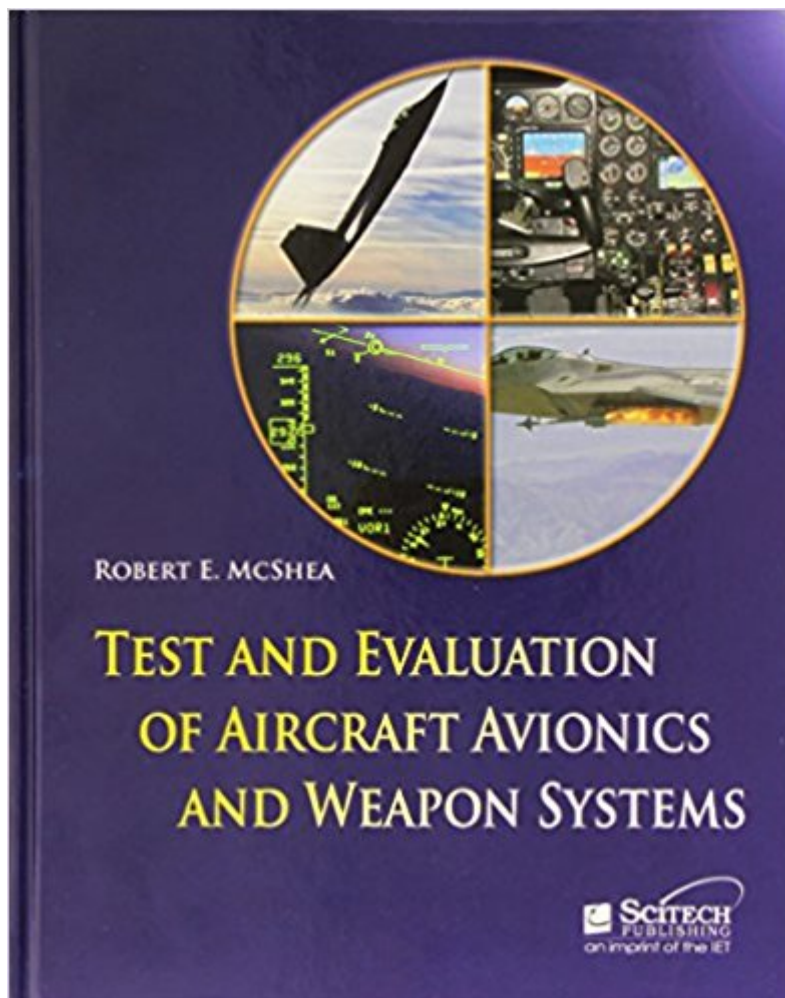




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Test And Evaluation Of Aircraft Avionics And Weapons Systems (Electromagnetics And Radar)



Synopsis

This unique book serves as both text and practical reference for all personnel involved in avionics and weapons system evaluation and testing, in the air and on the ground. Whether you are training pilots and personnel or actually planning to test systems, this book will provide you with the fundamentals and practical information you need to get the job done. The book is a compilation of experiences and methods from over 25 years in the business and interaction with Test Pilots and Test Engineers over the last 15 years as an Instructor/Director at the National Test Pilot School in Mojave, California. The book was also reviewed by a dozen voluntary experts from the military and industry to ensure all critical components are covered properly. Their comments and suggestions were integrated into the text toward the goal of creating this invaluable textbook and companion to the fighter or heavy aircraft test team, no matter their geographical location. Lessons learned, good and bad, are addressed in each chapter so readers can avoid the pitfalls common to test and evaluation of these systems. Exercises at the end of each chapter provide instructors with the ability to reinforce critical concepts and all the war stories in the book are true.

Book Information

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Customer Reviews

Bob McShea was one of my instructors at the National Test Pilot School and I learned about his book project years ago. I am very excited that his book is available. He is a great instructor! --Dieter Reisinger - Aviation Experts, Austria

The manuscript for this book was voluntarily reviewed by experts in the military and industry prior to final submission. These experts provided content corrections, comments, and critical suggestions used by the author to ensure this book meets the needs of the flight test community. Reviewer Organizations Naval Test Pilot School Missile Defense Agency Richard Curry (Consultant) Institute for Defense Analyses System Planning Corporation CAE Professional Services JJ Campbell & Associates Kernan Chaisson (Retired USAF Radar Specialist and ESO) Raytheon Lockheed Martin

I am very happy I purchased this book. The author is an obvious expert in the field and he has a knack for presenting the material in a methodical way to assist the newcomer to the field. I have learned quite a bit and will use this book often as a reference.

Bob McShea has written an excellent book that is extremely useful for all personnel involved in the test and evaluation of aircraft avionics and weapon systems. Drawing on his vast experience with industry and at the National Test Pilot School, Bob explains the concepts of operation in clear and sufficient detail for the test engineer and/or project manager to understand system operation and critical performance parameters that must be tested and evaluated to verify if a system will function well for its intended mission or purpose. As the former Technical Director of the US Air Force Test Pilot School (2004-2008), I can highly recommend this excellent book! John L. Minor

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