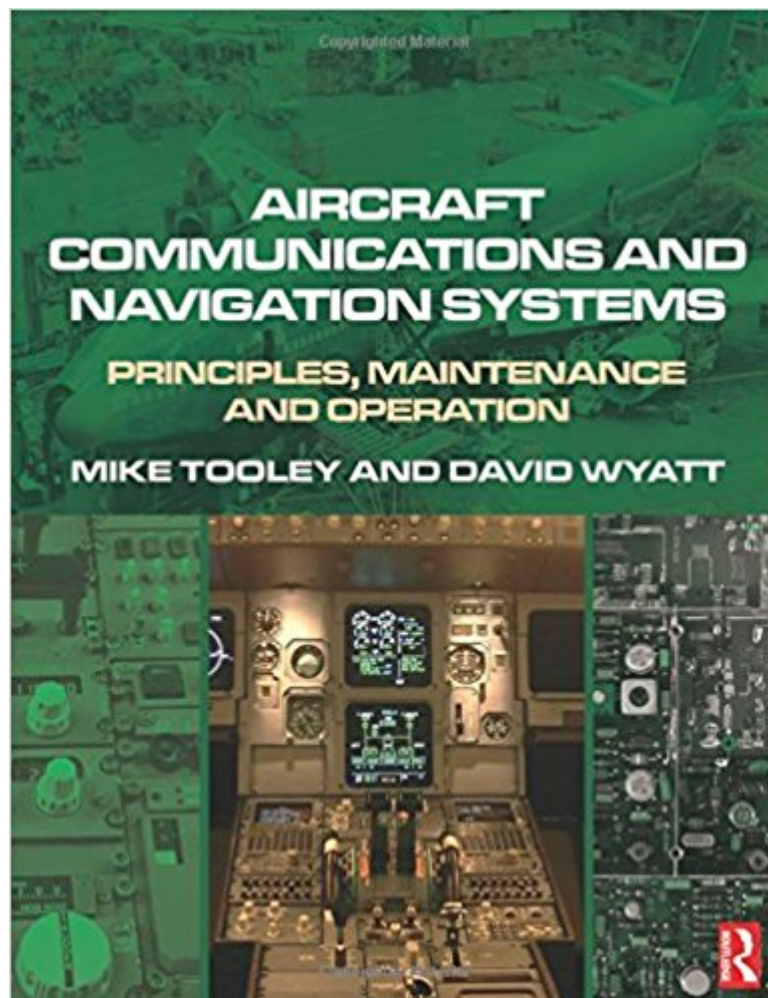




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# Aircraft Communications And Navigation Systems: Principles, Maintenance And Operation



## Synopsis

The Aircraft Engineering Principles and Practice Series provides students, apprentices and practicing aerospace professionals with the definitive resources to advance their aircraft engineering maintenance studies and career. This book provides an introduction to the principles of communications and navigation systems. It is written for anyone pursuing a career in aircraft maintenance engineering or a related aerospace engineering discipline, and in particular will be suitable for those studying for licensed aircraft maintenance engineer status. The book systematically addresses the relevant sections (ATA chapters 23/34) of modules 11 and 13 of part-66 of the EASA syllabus. It is ideal for anyone studying as part of an EASA and FAR-147 approved course in aerospace engineering.

## Book Information

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## Customer Reviews

Butterworth-Heinemann's Aircraft Engineering Principles and Practice Series provides students, apprentices and practicing aerospace professionals with the definitive resources to advance your aircraft engineering maintenance studies and career. This book provides an introduction to the principles of aircraft communications and navigation systems. It is written for anyone pursuing a career in aircraft maintenance engineering or a related aerospace engineering discipline, and in particular will be suitable for those studying for licensed aircraft maintenance engineer status. The book systematically outlines modules 11 and 13 Part-66 of the EASA syllabus. It is ideal for anyone studying as part of a EASA and FAR-147 approved course in aerospace engineering. .The perfect blend of academic and practical information for aircraft engineering maintenance .Delivers the

essential principles and knowledge needed by Aircraft Certifying Mechanics, Technicians and Engineers for Part-66 qualification .Comprehensive and accessible, with self-test questions, exercises and multiple choice questions to enhance learning for both independent and tutor-assisted study All the necessary mathematical, electrical and electronic principles are examined clearly and in-depth, meeting the requirements of Part-66 modules, Aerospace Engineering City and Guilds modules, EDEXCEL National Units, elements of EDEXCEL Higher National Units, and a Foundation Degree in aircraft maintenance engineering or a related discipline.

Mike Tooley is a technical author and consultant. He was formerly Vice Principal at Brooklands College in Surrey, England, where he was responsible for the delivery of learning to over 10,000 Further and Higher Education students increasingly by flexible, open and on-line distance learning. Mike is the well-known author of several popular engineering and related text books, including widely adopted course texts for BTEC, GCE A-level and GCSE qualifications in Engineering. Mike's hobbies include astronomy, amateur radio, aviation, computing and electronic circuit design and construction.

I needed to come up to speed on the subject fast for work. Just needed a broad overview. This fit the bill well. Looks like it is out of print. Too bad; this was a well organized book on the subject. Could use an updated version with modern satellite navigation chapters.

Great book. Some typos.

I have an MSEE, but really know nothing about avionics. Therefore this was a quick study, because I was already very familiar with the basic concepts (of how radios work, digital electronics, etc). I learned a lot and got out of it what I was looking for. (In the wake of the MH370 disappearance, analysis of electronics was a central news issue and I was looking to get some background on that.)I also have an interest in the history of technology. While this book is not about that, when I dug into the background of MSK modulation, for example, it traced back to some very interesting history. There are a lot of legacy technologies in modern aircraft.I can't rate the book for how well it relates to certification testing, since I am not using it for that. It does seem thorough however, and if I was in this process I would at least add it to my "arsenal of knowledge."

Excellent!

Overall the entire series of books by Mike Tooley are excellent learning material for the EASA Part 66 avionics exams. My sticking points are the number of errors in both the text (bidirectional is two ways, not one way) and the errors in the answers to the multiple choice questions. If you can read between the errors and understand the correct answers to the MCQ then the book is good way to study. I have tried looking for errata sheets for any of the series but so far I have had no luck.

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