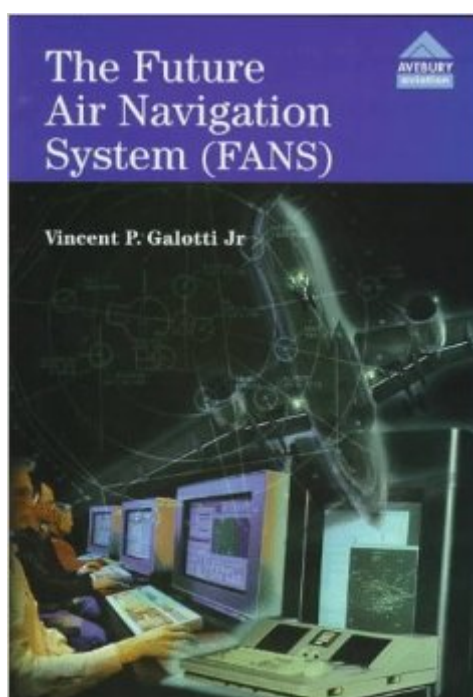


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# The Future Air Navigation System (FANS): Communications, Navigation, Surveillance - Air Traffic Management (CNS/ATM)



## Synopsis

In view of the increase in air traffic, there has been a great deal of work by the nations of the world, under the auspices of ICAO, toward developing the concept for a future air navigation infrastructure to serve worldwide civil aviation efficiency. Even though the concept is well described and implementation is beginning, only technical manuals are available to advance the systems concept. This book describes the global vision for the Future Air Navigation System (FANS) and is the first text of its kind dedicated solely to Communications Navigation, Surveillance/Air Traffic Management and the CNS/ATM systems concept. In addition to the technical issues associated with CNS/ATM, the book also examines institutional, economic, labour and Human Factors issues. It is designed as a text usable in the classroom environment in universities and aviation technical schools.

## Book Information

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## Customer Reviews

I have read this book as part of a graduate level class on Air Traffic Control. The book is very expensive, and in my view not really worth the money. I have four fundamental issues with the book: numerous grammatical errors abound, and are actually distracting sometimes; the author is obviously very knowledgeable, yet is extremely repetitious...it is an easy read simply because the author says the same thing over and over again (I understand reinforcement, but this is ridiculous); some of the material is becoming out of date rapidly, while much of the rest is 'pie in the sky' theory; and finally, and most annoyingly, the author perpetuates the myth that you sound better when you speak in acronyms. This book is the worst I have ever seen for making up acronyms for no reason.

I'm an airline pilot by profession, I understand the need for acronyms for things that are long and will be said repetitively, but is this really necessary: "Aeronautical Fixed Service (AFS) refers to telecommunications between fixed points or ground stations....," when what he means is 'phone call?' That is just an example from opening the book at random. You will also be pleased to know that "MIDANPIRG" means "Middle East Air Navigation Planning and Implementation Regional Group." I could go on, but you get the idea. When so much of the text is pointless acronyms, it becomes very tedious to read and fails to convey the author's intent (get some coffee, you will need it). Now that I have slammed its weaknesses, I will tell you about two strengths the book has. The first is that it is an excellent overall text detailing the Future Air Navigation System (as it is envisioned), and has good explanations of interrelationships of different components of the FANS.

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