



Moving Boxes by Air

The Economics of International Air Cargo

Peter S. Morrell, Cranfield University, UK

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Air cargo is a key element of the global supply chain. It allows outsourcing of manufacturing to other countries and links production in both multinational and smaller enterprises. It has also been the most important driver of certain export industries in countries such as South Africa, Kenya and Chile.

As a component of the air transport industry, air cargo makes the crucial difference between profit and loss on many long-haul routes. For some network combination carriers it accounts for up to half of total tonne-kms flown, and as much as one quarter of total revenue. In addition, the integrated carriers such as DHL, FedEx and TNT have their own fleets of dedicated freighter aircraft, and cargo aircraft operators like Cargolux and Nippon Cargo have a specialist role in the industry.

Featuring expert analysis and worked examples to enhance understanding, *Moving Boxes by Air* by Peter Morrell offers a comprehensive and up-to-date guide to the business and practices of air cargo, with a chapter dedicated to each key issue, such as: current trends, market characteristics, regulation, airport terminal operations, pricing and revenues, and environmental impacts.

Contents

Preface; Air cargo traffic and capacity; Air cargo market characteristics; Economic and technical regulation; Supply: passenger and freight airlines; Supply: Integrated carriers, post offices and forwarders; Air cargo alliances and mergers; Aircraft and flight operations; Airport and ground operations; Distribution and marketing; Pricing and revenues; Airline costs; Air cargo financial performance; Air cargo and the environment; Air cargo forecasting; Air cargo issues and prospects; Definitions; Bibliography; Index.

About the Author

Dr Peter S. Morrell is Director of Research in the Department of Air Transport, College of Aeronautics, Cranfield University, UK. He is currently European Editor of the *Journal of Air Transport Management*, and has a doctorate from Cranfield University and graduate degrees from the University of Cambridge, UK and Massachusetts Institute of Technology, USA. He has advised governments, airlines, airports and investment banks on aviation over the past 35 years. He has also lectured on airline economics and finance to universities and institutions around the world including Embry-Riddle Aeronautical University in the US, Instituto Aviação Civil, Brazil, Ecole National de L'Aviation Civile (ENAC), France, the Universities of Westminster and Loughborough in the UK, Danube University, Austria, Chang Jung University, Taiwan, University of New South Wales, and is currently visiting lecturer to the Polytechnic University in Hong Kong.

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