

# Is Your Airport Terminal Operating At An Optimum Level?

IATA's Level of Service (LoS) Concept is the industry benchmark for optimum passenger terminal facilities.



## DEPARTURE



As featured in the IATA ADRM, [iata.org/adrm](http://iata.org/adrm)

CHECK-IN	SECURITY	PASSPORT CONTROL	BOARDING GATES
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Proper arrangement of self-service options such as self-tagging and bag drop stations are cutting down wait times, improving passengers' travel experience and resulting in increased efficiency in terms of space utilization and operations.

The introduction of risk-based security concepts, advanced screening technologies and process innovations will enable passengers to proceed with minimal inconvenience while optimizing security resources and airport facilities.

Improved border control solutions in the areas of passenger data / document verification and other regulatory requirements makes immigration hassle-free and comfortable for passengers and for border officers.

Having adequate space while passengers wait for boarding is also a vital component of the passenger travel experience.



**50 - 70% to be seated**

Waiting area 1.8 m<sup>2</sup> - 2.2 m<sup>2</sup>  
Boarding stand 1.2 m<sup>2</sup> - 1.5 m<sup>2</sup>

More optimum departures mean more future arrivals!

**OPTIMUM** Queuing Times

**ECONOMY CLASS**

1 - 2 min | 1 - 5 min | 10 - 20 min | 5 - 10 min | 1 - 5 min | 5 - 10 min

**OPTIMUM** Space per passenger

1.3 - 1.8 m<sup>2</sup> | 1.8 - 1.2 m<sup>2</sup> | 1.8 - 1.2 m<sup>2</sup>

**CUSTOMS CONTROL**

These waiting lines refer to a procedure when 100% of the passengers are being checked by Customs.

**BAGGAGE CLAIM**

No matter the size of your terminal, passengers expect to claim their baggage in a timely manner. After all, it's often the last touch-point you have with passengers. Why not end it on a high note?

**PASSPORT CONTROL**

The rights of self-service technologies with border officers provides a seamless and pleasant welcome for passengers of your airport.



## ARRIVAL

Do you know your Level of Service?

1 - 5 min | 0 / 25 min | 0 / 15 min | 5 - 10 min | 1 - 5 min

1.3 - 1.8 m<sup>2</sup> | 1.3 - 1.7 m<sup>2</sup> | 1.8 - 1.2 m<sup>2</sup>

**OPTIMUM** Queuing Times

**ECONOMY CLASS**

**OPTIMUM** Space per passenger

Contact us for a professional assessment of your current passenger terminal or expansion plan. For more information, e-mail us at [consulting@iata.org](mailto:consulting@iata.org) or visit [www.iata.org/en](http://www.iata.org/en)

# Iata Terminal Planning Guide

**R Bogdan**



## **Iata Terminal Planning Guide:**

*Airport Passenger Terminal Planning and Design* Landrum & Brown, 2010 TRB's Airport Cooperative Research Program ACRP Report 25 Airport Passenger Terminal Planning and Design comprises a guidebook spreadsheet models and a user's guide in two volumes and a CD ROM intended to provide guidance in planning and developing airport passenger terminals and to assist users in analyzing common issues related to airport terminal planning and design Volume 1 of ACRP Report 25 explores the passenger terminal planning process and provides in a single reference document the important criteria and requirements needed to help address emerging trends and develop potential solutions for airport passenger terminals Volume 1 addresses the airside terminal building and landside components of the terminal complex Volume 2 of ACRP Report 25 consists of a CD ROM containing 11 spreadsheet models which include practical learning exercises and several airport specific sample data sets to assist users in determining appropriate model inputs for their situations and a user's guide to assist the user in the correct use of each model The models on the CD ROM include such aspects of terminal planning as design hour determination gate demand check in and passenger and baggage screening which require complex analyses to support planning decisions The CD ROM is also available for download from TRB's website as an ISO image

**The Independent Airport Planning Manual** A L W Bradley, 2010-09-22 This independent manual provides airport planners and architects with an essential planning guide and reference tool based on the author's extensive experience in the field and involvement in developing best practice airline and airport industry guidelines Chapters cover topics such as demand forecasting masterplan development terminal pier and satellite infrastructure baggage handling apron design and airport security Provides airport planners and architects with an essential guide and reference tool based on the author's extensive experience Discusses key airport planning issues including forecasting demand planning and strategic objectives and airport security Outlines important airport planning principles specified by IATA for masterplan development featuring evaluation techniques and independent development planning

**Airport Passenger Conveyance Systems Planning Guidebook** TransSolutions, LLC., 2012 Describes best practices and specific design considerations and presents decision making frameworks for implementing passenger conveyance systems Passenger conveyance components include escalators elevators moving walkways and passenger assist vehicles carts Automated People Mover systems the subject of ACRP Reports 37 and 37A personal rapid transit systems and shuttle bus systems are not covered in the Guidebook In addition to the Guidebook ACRP Report 67 also includes a comprehensive database along with a Decision Support Tool for planning designing and evaluating passenger conveyance systems at airports as a function of specific airport design and operating parameters This database allows project planners to examine how passenger conveyance components operate as a system throughout different areas within the airport environment Foreword

[Guidebook for Evaluating Terminal Renewal Versus Replacement Options](#) Ricondo & Associates, 2012 At head of title Airport Cooperative Research Program [Guide to the](#)

Decision-making Tool for Evaluating Passenger Self-tagging Francis Barich, 2011 TRB's Airport Cooperative Research Program ACRP Report 41 Guide to the Decision Making Tool for Evaluating Passenger Self Tagging provides the information and tools included on and accompanying CD ROM necessary for an airport or airline to determine the appropriateness of pursuing passenger self tagging should it be allowed in the United States in the future The tools in an Excel Spreadsheet format allow for the input of airport specific information such as facility size and passenger flows while also providing industry averages to assist those airports and airlines that haven't yet collected their individual information The decision making tools provide both qualitative and quantitative information that can then be used to assess if passenger self tagging meets organizational needs or fits into their strategic plan Appendix A to ACRP 41 was published online as ACRP Web Only Document 10 Appendix A Research Documentation for ACRP Report 41 The CD ROM included as part of ACRP Report 41 is also available for download from TRB's website as an ISO image

**A Decision-Makers Guide to Public Private Partnerships in Airports** Andy Ricover, Jeffrey Delmon, 2019-12-06 Airport development is critical to economic growth and poverty reduction This book will help decision makers assess whether Public Private Partnerships PPP might be a viable option to meet their airport development requirements It walks the reader through the airport PPP process from early preparation to bringing the project to market and managing the project during implementation The book will help eradicate misconceptions about the role of the private sector in airport infrastructure A Decision Makers Guide to Public Private Partnerships in Airports provides an essential guide for those in a position to make decisions linked to airport development to their advisers their staff and also to students wishing to understand airport PPP

**Transportation Planning Handbook** John D. Edwards, 1999

**Civil Engineer's Reference Book** L S Blake, 1994-03-21 After an examination of fundamental theories as applied to civil engineering authoritative coverage is included on design practice for certain materials and specific structures and applications A particular feature is the incorporation of chapters on construction and site practice including contract management and control

**Passenger Level of Service and Spatial Planning for Airport Terminals**, 2011 ACRP report 55 examines passenger perception of level of service related to space allocation in specific areas within airport terminals The report evaluates level of service standards applied in the terminal planning and design process while testing the continued validity of historic space allocation parameters that have been in use for more than 30 years

*Fundamentals of Airport Planning* Ravi Lakshmanan, 2023-11-13 Airport planning especially the airside is based on strict compliance with regulatory requirements In heavily urbanized industrialized countries where suitable sites for new airport developments are increasingly hard to find and subjected to unprecedented public scrutiny the role of the airport planner is more crucial than ever Fundamentals of Airport Planning aims to explain airport planning from the ground up Utilizing a basic framework and step by step approach the author introduces the critical parameters for selecting a suitable and best location from among multiple sites International and country specific regulations are described and accounted for The

master planning process is described with suitable illustrations and examples and the benefits and best practices of master planning are discussed The location of visual aids lighting and marking and non visual aids Communication Navigation and Surveillance Systems CNS is considered and readers will also learn how to prepare technically feasible plans with various infrastructures and how to assess a project s financial viability This book includes a chapter on land use planning to maximize the utilization of the asset with appropriate control within and outside the airport This book is aimed at postgraduate students who are specializing in aviation or air transport management as well as professionals studying or working in airport planning and design and related aviation topics

**Airline Operations** Peter J. Bruce, Yi Gao, John M. C. King, 2017-11-15  
Written by a range of international industry practitioners this book offers a comprehensive overview of the essence and nature of airline operations in terms of an operational and regulatory framework the myriad of planning activities leading up to the current day and the nature of intense activity that typifies both normal and disrupted airline operations The first part outlines the importance of the regulatory framework underpinning airline operations exploring how airlines structure themselves in terms of network and business model The second part draws attention to the operational environment explaining the framework of the air traffic system and processes instigated by operational departments within airlines The third part presents a comprehensive breakdown of the activities that occur on the actual operating day The fourth part provides an eye opener into events that typically go wrong on the operating day and then the means by which airlines try to mitigate these problems Finally a glimpse is provided of future systems processes and technologies likely to be significant in airline operations

**Airline Operations A Practical Guide** offers valuable knowledge to industry and academia alike by providing readers with a well informed and interesting dialogue on critical functions that occur every day within airlines

**Airport Engineering** Norman J. Ashford, Saleh Mumayiz, Paul H. Wright, 2011-04-26 First published in 1979 Airport Engineering by Ashford and Wright has become a classic textbook in the education of airport engineers and transportation planners Over the past twenty years construction of new airports in the US has waned as construction abroad boomed This new edition of Airport Engineering will respond to this shift in the growth of airports globally with a focus on the role of the International Civil Aviation Organization ICAO while still providing the best practices and tested fundamentals that have made the book successful for over 30 years

**Facility Requirements** , 1996

**Metric Handbook** Pamela Buxton, 2018-02-23  
Significantly updated in reference to the latest construction standards and new building types Sustainable design integrated into chapters throughout Over half of the entire book has now been updated since 2015 Over 100 000 copies sold to successive generations of architects and designers This book belongs in every design office The Metric Handbook is the major handbook of planning and design data for architects and architecture students Covering basic design data for all the major building types it is the ideal starting point for any project For each building type the book gives the basic design requirements and all the principal dimensional data and succinct guidance on how to use the information and what

regulations the designer needs to be aware of As well as buildings the Metric Handbook deals with broader aspects of design such as materials acoustics and lighting and general design data on human dimensions and space requirements The Metric Handbook is the unique reference for solving everyday planning problems *Report of Operations Under the Federal Airport Act* United States. Federal Aviation Administration,1966 [Airport Operations, Third Edition](#) Norman J. Ashford,Pierre Coutu,John R. Beasley,2012-11-05 THE MOST COMPLETE UP TO DATE GUIDE TO THE MANAGEMENT AND OPERATION OF AIRPORTS Fully revised for the latest FAA ICAO and IATA standards and regulations Airport Operations Third Edition provides proven strategies and best practices for efficiently managing airport functions This in depth resource offers a broad perspective on the privatization of air transport worldwide To reflect the evolution of regulatory guidance two new chapters have been added to address safety management systems and airport operations control centers New information on the latest trends including security environmental impact control and emerging technologies is also included Authoritative yet accessible this practical reference is ideal for aviation educators students airport personnel airport planners and designers and aviation managers at all levels Coverage includes The airport as an operational system Airport peaks and airline scheduling Airport noise control Aircraft operating characteristics Operational readiness Ground handling Baggage handling Passenger terminal operations Airport security Cargo operations Airport technical services Airport aircraft emergencies Airport access Operational administration Airport safety management systems Airport operations control centers The airport operations manual Sustainable development and environmental capacity of airports **Airports** International Civil Aviation Organization,1974 [Airport Operations 3/E](#) Norman Ashford,Pierre Coutu,John Beasley,2012-10-22 THE MOST COMPLETE UP TO DATE GUIDE TO THE MANAGEMENT AND OPERATION OF AIRPORTS Fully revised for the latest FAA ICAO and IATA standards and regulations Airport Operations Third Edition provides proven strategies and best practices for efficiently managing airport functions This in depth resource offers a broad perspective on the privatization of air transport worldwide To reflect the evolution of regulatory guidance two new chapters have been added to address safety management systems and airport operations control centers New information on the latest trends including security environmental impact control and emerging technologies is also included Authoritative yet accessible this practical reference is ideal for aviation educators students airport personnel airport planners and designers and aviation managers at all levels Coverage includes The airport as an operational system Airport peaks and airline scheduling Airport noise control Aircraft operating characteristics Operational readiness Ground handling Baggage handling Passenger terminal operations Airport security Cargo operations Airport technical services Airport aircraft emergencies Airport access Operational administration Airport safety management systems Airport operations control centers The airport operations manual Sustainable development and environmental capacity of airports **The Civil Engineering Handbook** W.F. Chen,J.Y. Richard Liew,2002-08-29 Providing extensive coverage of all major areas of civil engineering the second edition of

this award winning handbook features contributions from leading professionals and academicians and is packed with formulae data tables and definitions vignettes on topics of recent interest and additional sources of information It includes a wealth of material in areas such as coastal engineering polymeric materials computer methods shear stresses in beams and pavement performance evaluation Its wide range of information makes it an essential resource for anyone working in civil structural or environmental engineering

**The Airport Passenger Terminal** Walter Hart,1991

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