Record Nr. UNINA9910783937003321 Air transportation systems engineering [[electronic resource] /] / edited **Titolo** by George L. Donohue ... [et al.] Reston, Va., : American Institute of Aeronautics and Astronautics, Pubbl/distr/stampa c2001 **ISBN** 1-60086-663-8 1-60086-444-9 1-60119-205-3 Descrizione fisica 1 online resource (743 p.) Collana Progress in astronautics and aeronautics: v. 193 Altri autori (Persone) DonohueGeorge L Disciplina 387.7/40426 Soggetti Aeronautics - Systems engineering Air traffic control - Management Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. ""Cover""; ""Title""; ""Copyright""; ""Table of Contents""; ""Preface""; Nota di contenuto ""Chapter 1 Introduction""; ""Section I: U.S. and European ATM Systemsa €?Similarities and Differences"": ""Chapter 2 Air Traffic Management Capacity-Driven Operational Concept Through 2015""; ""Introduction""; ""Preliminary Design for the NAS""; ""Operational Concept Development""; ""Functions, Agents, and Performance""; ""ATM System Functional Structure""; ""Capacity, Safety, and Separation Assurance""; ""Capacity-Driven Operational Concept""; ""National Level Flow Management""; ""En Route and Outer Terminal Area"" ""Approach/Departure Transition"""Final Approach""; ""Surface""; ""Efficiency in Low Density En Route Airspace""; ""Conclusions""; ""References""; ""Chapter 3 Comparison of U.S. and European Airports and Airspace to Support Concept Validation""; ""Introduction""; ""Assessment Territory""; ""Metrics and Measures""; ""Assessment and Findings""; ""Conclusion""; ""References""; ""Chapter 4 Performance Review in Europe""; ""Introduction""; ""Background""; ""European Challenge""; ""Other Limitations on Growth""; ""Conclusions"" ""Chapter 5 United States and European Airport Capacity Assessment Using the GMU Macroscopic Capacity Model"""Introduction""; ""MCM Approach""; ""MCM Validation""; ""MCM Assessment of U.S. and

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