Record Nr. UNINA9910823427503321 Mechanisms in the chain of safety: research and operational **Titolo** experiences in aviation psychology / / edited by Alex de Voogt and Teresa C. D'Oliveira Surrey, England; ; Burlington, Vt., : Ashgate, c2012 Pubbl/distr/stampa **ISBN** 1-315-59444-7 1-317-09900-1 1-283-36751-3 9786613367518 1-4094-1255-5 Edizione [1st ed.] Descrizione fisica 1 online resource (187 p.) Altri autori (Persone) VoogtAlexander J. de D'OliveiraTeresa C Disciplina 616.9/80213 Soggetti Air pilots - Psychology Aviation psychology Aeronautics - Safety measures Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references and indexes. Nota di bibliografia Cover; Contents; List of Figures; List of Tables; About the Editors; List Nota di contenuto of Contributors; Acknowledgements; Introduction: Mechanisms in the Chain of Safety; 1 GAP: Assessment of Performance in Teams - A New Attempt to Increase Validity: 2 The Importance of Prospective Memory for the Selection of Air Traffic Controllers; 3 Analysis of Learning Curves in On-the-Job Training of Air Traffic Controllers; 4 How Cockpit Crews Successfully Cope with High Task Demands; 5 Manual Flying Skill Decay: Evaluating Objective Performance Measures: 7 Anticipatory **Processes in Critical Flight Situations** 8 Error Detection During Normal Flight Operations: Resilient Systems in Practice9 The Role of GPS in Aviation Incidents and Accidents; 10 Creating Safer Systems: PIRATe (The Proactive Integrated Risk Assessment Technique); 11 Safety Reporting System as a Foundation for a Safety Culture; 12 Conclusions: Extending the Chain; Author

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Sommario/riassunto

Contemporary approaches to aviation safety show a dynamic endeavour to identify a variety of components that minimize the emergence of adverse situations. In this process there has always been a strong interrelation between these components and it allows us to talk about a chain of safety. This volume presents the most recent efforts in this chain of safety streaming from both the industry and academia, as well as the future challenges for operational settings.