This book closes a gap as there is no literature currently in circulation that specifically addresses risk management issues in the aviation industry. The aim of this book is to show the theoretical background and implementation phases of a multifaceted risk management system, to gain a gradation for smaller operators who do not have the complexity of large operators for whom the system was initially developed. This approach illustrates the leeway available to adapt processes and reveals the interfaces between risk management and safety management. The book describes how to approach corporate risk management, with reasonable effort, appropriate to the size and complexity of the specific operator. It provides an idea of what the key considerations are and how to effectively operate such a system with the various interfaces. Furthermore, it provides an indication about the time investment needed in the set-up and the continuous process of corporate risk management from a cost and benefit perspective. Specifically, a safety management system (SMS), fatigue risk management and air traffic control risks are provided as specific practical cases of risk management.

An empirical study shows the level of implementation of corporate risk management in the aviation industry in practice. Based on the comparison of theory and practice, and the knowledge provided by the empirical study, different checklists and samples for the optimization of risk management are provided. Documents illustrating risk policy, the job description of a risk manager, a questionnaire for an SMS gap analysis, emergency director checklist, master risk list, hazard reporting procedure, air safety report, safety manager evaluation sheet, SWANS report, etc. are provided in appendices for the particular chapters. Furthermore, a time/cost table for the implementation and continuous development of corporate risk management is included.

This book addresses all actors in the aviation industry, such as aviation companies, consultants, and educators. It provides the opportunity for all actors to build and optimize their risk management systems/procedures. For the strategic management level, this publication makes clear why risk management has to be established as a culture in a company and must be fully supported by top management.

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