

Aircraft Maintenance Programs

This book provides the first comprehensive comparison of the Aircraft Maintenance Program (AMP) requirements of the two most widely known aviation regulators: the European Aviation Safety Agency (EASA) and the Federal Aviation Administration (FAA). It offers an in-depth examination of the elements of an AMP, explaining the aircraft accident investigations and events that have originated and modelled the current rules.

By introducing the Triangle of Airworthiness model (Reliability, Quality and Safety), the book enables easier understanding of the processes by which an aircraft and its components are deemed to be in a safe condition for operation from a cost-effective and optimization perspective. The book compares the best practices used by top airlines and compiles a series of tools and techniques to improve the standards of the AMP.

Aircraft maintenance engineers, students in the field of aerospace engineering, and airlines staff, as well as researchers more widely interested in safety, quality, and reliability will benefit from reading this book

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