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3.6.4 Civil aviation abroad 3.6.5 Commercial space transportation; 3.6.6 Research, engineering, and development; 3.6.7 Other programs; 3.6.8 Summary of FAA activities; 3.7 FAA certification; 3.7.1 The Aircraft Certification Service; 3.7.2 The Small Airplane Directorate; 3.7.3 The Transport Airplane Directorate; 3.7.3.1 Continued operational safety; 3.7.3.2 Regulations and policy for all transport airplanes; 3.7.3.3 Design, production, and airworthiness certification; 3.7.4 The Rotorcraft Directorate; 3.7.5 The Engine and Propeller Directorate; 3.8 'One world, one goal: aviation safety'; Notes

4 Airworthiness Requirements 4.1 Requirements, regulations, and standards; 4.2 JARs and FARs; 4.3 List of JARs and FARs directly or indirectly related to airworthiness certification; 4.3.1 JAR 1/FAR 1. Definitions and Abbreviations; 4.3.2 JAR 11. JAA Regulatory and Related Procedures; 4.3.3 FAR 11. General Rulemaking Procedure; 4.3.4 JAR 21. Certification Procedures for Aircraft and Related Products and Parts; 4.3.5 FAR 21. Certification Procedures for Products and Parts; 4.3.6 JAR 22. Sailplanes and Powered Sailplanes; 4.3.7 JAR-VLA. Very Light Aeroplanes 4.3.8 JAR 23. Normal, Utility, Aerobatic and Commuter Category Aeroplanes 4.3.9 FAR 23. Airworthiness Standards: Normal, Utility, Acrobatic and Commuter category airplanes; 4.3.10 JAR 25. Large Aeroplanes; 4.3.11 FAR 25. Airworthiness Standards: Transport category airplanes; 4.3.12 JAR 26. Additional Airworthiness Requirements for Operations; 4.3.13 JAR 27. Small Rotorcraft; 4.3.14 FAR 27. Airworthiness Standards: Normal category rotorcraft; 4.3.15 JAR 29. Large Rotorcraft; 4.3.16 FAR 29. Airworthiness Standards: Transport category rotorcraft 4.3.17 FAR 31. Airworthiness Standards: Manned free balloons

Sommario/riassunto

Understanding airworthiness is central to maintaining and operating aircraft safely. While no book can replace the published FAR/JAR documentation for airworthiness, this unique guide provides readers with a single reference to understanding and interpreting the airworthiness requirements of the ICAO (International Civil Aviation Organisation), FAA (the US Federal Aviation Authority) and EASA (European Aircraft Safety Agency). Setting these requirements in a real-world context, the book is an essential contribution to the safety management system of anyone involved in the design, maintenance
