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CERTIFICATION AND ACCREDITATION INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

RB/T 050-2020

Aviation industry. Quality management systems for aviation equipment research and production organizations. Requirements

航空行业 航空装备科研及生产组织质量管理体系 要求

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009:

This standard was proposed and managed by the National Certification and Accreditation Administration Committee:

Drafting organizations of this standard: China Aviation Engine Research Institute, Certification Supervision Department of State Administration for Market Regulation, China Aviation Industry Corporation Group Co:, Ltd:, Commercial Aircraft Corporation of China, China Aviation Engine Group Co:, Ltd:, Beijing Junyou Integrity Quality Certification Co:, Ltd:, China Aviation Technology Research Institute, China Aviation Quality Management Association, China Aviation Development Shenyang Engine Research Institute, Shanghai Aviation Industry (Group) Co:, Ltd:, China Aviation Development Xi'an Aero Engine Co:, Ltd:, Aviation Industry Changhe Aircraft Industry (Group) Co:, Ltd:, Jiangxi Xihongdu Commercial Aircraft Co:, Ltd:

Introduction

On the basis of GB/T 19001-2016, this standard integrates GJB9001C-2017 "Quality Management System Requirements" and "Weapon Equipment Regulations on Quality Management of the Aviation Industry, IAQG9100.2016 Quality Management System Requirements for Aerospace and Defense Organizations the special requirements for the quality management system of equipment scientific research and production organizations have increased the scientific research and production of typical military and civil aviation equipment in my country's aviation industry the characteristic requirements of the organization's quality management system:

This standard summarizes the experience of weapons and equipment quality management system certification, aviation industry quality management system compliance evaluation,

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and analyzes international aviation Advanced quality management system standards such as 9100 and GJB9001C-2017 of IAQG (IAQG), and CCAR-21-R2 "Civil Aviation China's civil aviation regulations and requirements such as the Regulations on Certification of Air Products and Parts the military and (or) civil aviation equipment scientific research and production (including research and development, production, testing, maintenance, and service, etc:) organizations in the aviation industry stipulate quality management Management system requirements, and provide a basis for the construction and assessment of quality management systems, and promote aviation equipment scientific research and production organizations to adhere to the safety bottom line and pull to upgrade the quality and high level, improve the quality and efficiency, and promote the leap of organization specialization, branding and high-end:

Some clauses in this standard that only apply to military aviation equipment and civil aviation equipment have been clarified in the standard:

Aviation equipment research and production organization in the aviation industry Quality management system requirements

1 Scope

This standard specifies the requirements for the quality management system of aviation equipment research and production organizations in the aviation industry:

This standard applies to aviation equipment scientific research and production organizations (hereinafter referred to as "organizations") in the aviation industry:

Note: The organizations in this standard include research, production, testing, maintenance and service organizations:

2 Normative references

The following documents are indispensable for the application of this document: For dated reference documents, only the dated version applies to this article Pieces: For undated references, the latest version (including all amendments) applies to this document:

GB/T 19000-2016 Quality Management System Foundation and Terminology GB/T 19001-2016 Quality Management System Requirements GJB190 feature classification GJB368 General requirements for equipment maintainability work GJB450 General requirements for equipment reliability work GJB451 Reliability, maintainability and supportability terms GJB571 unqualified product management GJB841 failure report, analysis and corrective action system GJB900 General requirements for equipment safety work GJB907 product quality review GJB908 first article appraisal GJB909 Quality control of key parts and important parts GJB1269 Process review GJB1362 military product finalization procedures and requirements GJB1405 Equipment Quality Management Terminology GJB1710 trial production and production preparation status inspection

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GJB1909 Demonstration of Equipment Reliability, Maintainability and Supportability Requirements GJB2547 General requirements for equipment testability work GJB2786 General requirements for military software development GJB3206 Technical status management GJB3872 General requirements for comprehensive equipment support GJB4239 General requirements for equipment environmental engineering GJB5000 military software development capability maturity model GJB6600 equipped with interactive electronic technical manual GJB8000 military software development capability level requirements

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