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论文

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飞机保障性

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RESEARCH ON AIRCRAFT SUPPORTABILITY

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摘要

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**摘要** 本文简述飞机保障性的重要性,探讨飞机保障性的内涵和实现途径,并介绍一些新的飞机保障性设计方法。按照武器系统保障性的定义,飞机保障性指的是飞机本身的可靠性、维修性、机内自保障能力和飞机的保障分系统保障能力的综合。保障性通过综合保障工程即综合后勤保障而实现。综合保障工程的主要任务是从使用保障的角度来影响飞机本身保障性的设计,包括提出保障性有关要求和保证其实现,以及按飞机设计所导出的使用保障要求来作飞机保障分系统的总体设计和采办。其主要工作是制订维修方案和进行保障性分析,即后勤保障分析。

**关键词:** 飞机 保障性 设计 综合保障工程 综合后勤保障

**Abstract:** The importance of aircraft supportability is related and its connotation and the approach of its realization are discussed, and some new aircraft design methods for supportability are briefly introduced in this paper. On the basis of the definition of weapon system supportability, aircraft supportability is referred to the integration of reliability, maintainability and onboard support capability of aircraft itself and the support capability of aircraft's support subsystem. Supportability is to be realized by means of integrated support engineering, i.e. integrated logistics support. The main missions of the engineering are to influence aircraft's design for supportability from the point of view of operational support, including putting forward the supportability-related requirements and assurance of their realization, and to design systematically and to acquire the aircraft's support subsystem based on the operational support requirements derived from the aircraft's design. The main tasks of the engineering are to work out a maintenance concept and to make supportability analysis, i.e. logistics support analysis.

**Keywords:** aircraft supportability design integrated support engineering integrated logistics support

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