

The Project Management Studies of Commercialization of the Military Aircraft Maintenance

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ABSTRACT

The passing of both the "National Defense Law" and the "Amendments to the Organization Law for Ministry of National Defense" on Jan. 15, 2000 by Legislative Yuan signifies that our national defense construction affairs have formally entered into legal institutions, bringing our national defense constructions into a new epoch. The two Laws have since served as the guidelines for more positive developments of Taiwan's defense technology. Also, they have provided solutions to many hurdles encountered in the past and established concrete objectives as Taiwan Defense Industry's policies. Among these policies is the so-called "Military Aircraft for Commercial Maintenance," under which the Military's existing aircraft being in service will be maintained, operated and managed by domestic aerospace companies. Having civil enterprises take over military aircraft is intended to enhance the maintenance efficiency, reduce the military personnel administration cost, as well as upgrade our military/civil aircraft maintenance capability and further, to develop Taiwan into the "Asia-Pacific Aerospace Maintenance Center". This study is trying to explore how the Work Scope correlates with the Program Management category during the transition of military aircraft to civil companies for commercial maintenance. By using the SWOT matrix analysis, the Military's inner environment (in terms of the key factors for military aircraft maintenance) versus its outer environment (in terms of the domestic aerospace industry's competitiveness in pursuit of military aircraft maintenance opportunities) is investigated. This empirical study finally derives a competing strategy for securing contracts with the Military for planned aircraft maintenance programs. In scheming out this strategy, it is very important to grasp all the key maintenance factors by introducing the Program Management skills. For military aircraft maintenance contracts, total implementation of Program Management is indispensable not only to improving maintenance key factors. It may also allure many potential companies competing in military aircraft maintenance opportunities and possibly lead to program cost reduction. From this study, we anticipate the "Military Aircraft for Commercial Maintenance" would become one of the Taiwan Aerospace Industry's core businesses, and that the government would make it a success with its policy for the "Military Aircraft for Commercial Maintenance". Further, we also expect that the Taiwan's aerospace maintenance quality will keep growing up to the world class, pushing Taiwan's overall industries' standards upgraded towards the goal of entering the international aerospace maintenance market.

Keywords : National Defense Law ; Military Aircraft for Commercial Maintenance ; SWOT Matrix Analysis ; ProgramManagement ; Competitiveness

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