

Research and Analysis on the Development of General Aviation FBO in China

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Abstract

With the development of general aviation industry, FBO as an airport operator has become a hot topic in the development of general aviation. In China, FBO has become the mainstream of general aviation business aircraft maintenance and service. In order to ensure the safe operation of general aviation and meet the needs of the development and construction of domestic general airport, the development of FBO has become the forefront and focus of general aviation industry. This paper mainly expounds the analysis of the current situation of domestic general aviation, and summarizes the necessity and relevant suggestions of vigorously developing FBO.

Keywords

FBO, analysis, general aviation, develop.

1. Introduction

General aviation FBO refers to the ground fixed base operator of general airport, whose role is to provide ground transportation points for general aviation aircraft and business aircraft for parking, maintenance, refueling, cleaning, rest and other services. FBO is a fixed base operator. FBO is a new type of aviation industry mode, which is born to improve the service quality of airport and aviation security. Its service content is divided into six aspects. First, field service. The second point is the maintenance service, which is mainly used for aircraft parking service, aircraft refueling and daily maintenance. The aircraft parking shall be overhauled in an all-round way, and the problem areas shall be repaired in a timely manner. Meanwhile, the airframe maintenance, parts maintenance and modification of business aircraft shall be provided. Third, the FBO can also share the huge passenger flow with the crew and the airport, reduce the transport burden, and ensure the normal operation of the flight route, avoiding the wrong situation such as cross-over. Different from other means of transportation, the safety of air route is related to the economic safety of social property and the life safety of passengers. Our country vigorously develops FBO under the condition of ensuring flight safety. The fourth is the new service mode of domestic airport FBO, including aircraft sales, charter service and flight training service [1]. The fifth point is non-profit service. FBO improves its service function by providing office rest places such as passenger lounge, driver lounge and meeting room. At the same time, the FBO can also provide commercial private services such as airport car rental, hotel accommodation and reservation nearby.

2. Current Situation and Development Trend

2.1. Current Situation

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2.2. Development Trend

Domestic general airports now show a gradual development trend from big cities to small cities. After the provincial capital cities develop, the small cities have gradually entered the stage of the aviation industry. This is not only the general situation of domestic traffic development, but also a manifestation of economic improvement and perfect life. For FBOs, the ground-based fixed base operators currently only stay in some advanced and developed airports, ignoring the service requirements of local airports, resulting in the lack of service projects at regional airports and poor service quality [2]. At present, our domestic FBOs mainly include the following major companies: Guangdong Yitong Commercial Aviation Center is responsible for VIP high-end services of Guangzhou Baiyun Airport and daily maintenance of airport aircraft. Shenzhen Bao'an International Airport belongs to Shenzhen Tableau Airport Service Company, while Golden Deer Business Aviation It has general aviation services covering seven major cities: Haikou Meilan, Nanning Wuxu, Sanya Phoenix, Xian Xianyang, Changsha Huanghua, Guilin Liangjiang, and Hangzhou Xiaoshan. It can be said that it is one of the largest FBO operators in China.

As we know, Xunbangda of Xi'an Xianyang International Airport is also a type of FBO, such as Evergreen Taipei Business Aviation Center of Taipei Songshan Airport, Tianjin Haibin International Airport office building, and Hawker Pacific in Shanghai Hongqiao. The Capital International Airport has its own special business jet service for the capital, which is the current mainstream distribution of FBOs in China. Through data analysis and evidence investigation, it is not difficult to see that the current status of FBOs in China is mainly distributed in first-tier key cities such as the capital, Shanghai, and Guangzhou. For general airports, the transformation and development of FBOs is the top priority. The radiation influence of fixed base operators, driving the economic development of general airports is the current development direction of general airports.

3. Analysis and Research

3.1. Policies

In order to speed up the establishment of a low-altitude flight service support system for social co-construction, integrated military-civilian development, and efficient and convenient services, to promote the development of the general aviation industry, and to ensure the safe and efficient use of low-altitude airspace, the Civil Aviation Administration is conducting in-depth investigations and research, pilot exploration in multiple places, and extensive consultation. Based on repeated comparisons and demonstrations, the overall plan for the construction of a low-altitude flight service support system was studied and formulated.

3.2. Significance and Necessity

General aviation is the most widely accepted mode of transportation in our country at this stage, and it is also the largest group of people. Due to the fact that private jets, charter flights, or chartered aircraft are a rare phenomenon, how to develop general aviation is the main point of the current economic improvement of the aviation industry. FBO can effectively guarantee the quality of aviation services for general aviation, improve the efficiency of aviation services, and meet the psychological needs of passengers. In terms of aircraft maintenance and maintenance,

ground fixed base operators can provide aircraft maintenance and repair at any time and place, greatly reducing the occurrence of aircraft accidents, which is necessary for the aviation industry [3]. Once the plane crashes, its tragic consequences are inestimable. If regional airports and small city airports can also introduce the FBO service model, they can ensure the safety of aircraft and prevent accidents as soon as they land. At the same time, due to the slow economic development of small cities and regional airports, FBO, as a new type of aviation service industry, can effectively promote the development of the urban economy and the cornerstone of the continuous progress of the aviation industry.

3.3. Analysis and Research

The civil aviation industry in China has always been the front and focus of national attention. In order to increase the development of the domestic economy, the assistance and support of the General Aviation FBO is required. As a service industry, FBO's ability to effectively promote passenger boarding experience is a reflection of economic quantification. Our country has always maintained a supportive and assistive attitude to the development of FBOs, and at the same time has also allowed FBOs to enter small and medium-sized city airports to drive the economic development of second-tier cities. In the "Guiding Opinions on Promoting the Development of General Aviation Industry" issued by the State Council, it is clear that the number of China's general airports has increased to a certain extent in the emerging stage. However, the FBO is still at the original base level, and major cities are required to respond to national policies and promote the construction and operation of local airport FBO.

3.4. Suggestions

The civil aviation industry in China has always been the front and focus of national attention. In order to increase the development of the domestic economy, the assistance and support of the General Aviation FBO is required. As a service industry, FBO's ability to effectively promote passenger boarding experience is a reflection of economic quantification. Our country has always maintained a supportive and assistive attitude to the development of FBOs, and at the same time has also allowed FBOs to enter small and medium-sized city airports to drive the economic development of second-tier cities [4]. In the "Guiding Opinions on Promoting the Development of General Aviation Industry" issued by the State Council, it is clear that the number of China's general airports has increased to a certain extent in the emerging stage. However, the FBO is still at the original base level, and major cities are required to respond to national policies and promote the construction and operation of local airport FBOs.

4. Conclusion

The ground fixed base operator is the basic guarantee and development premise of China's general aviation transportation. At present, it is necessary to popularize the construction and operation of FBO in airports. The economic growth of the aviation industry is also a part of our social and economic growth. We need to improve FBO services in the airport development and build a high-quality and good service-oriented industry.

References

- [1] ZhaoPeng Chen and Lei Liu:Significance of Developing General Aviation FBO in China (China Civil Aviation, China 2010), p.40.
- [2] HongYuan Wu and HaoChao Fan: Thinking of General Aviation FBO Operation Model, China Business Herald,27(2012)No.6,p. 51.
- [3] HePing Zhou:Research on FBO Planning and Design of General Aviation in China(MS., Civil Aviation University of China, China 2014), p.4.

- [4] YaRu Dang,XinYi Kang: Thoughts on the Development of General Aviation FBO, Tianjin Technology ,(2014)No.9,p.30.