

Problems Analysis and Reform Suggestions for the Current Civil Aviation Pilot Training System

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Abstract: In the development of civil aviation, it is necessary to attach importance to pilot training, ensure civil aviation flight safety, and build a sound civil aviation service system. At present, the training of civil aviation pilots should be supported by intelligent technology to determine training objectives and provide support for the development of civil aviation industry. In view of this, this paper conducts research on the training system for civil aviation pilots and proposes targeted solutions based on the current development status of the industry.

Keywords: Current Civil Aviation Pilots; Training System; Problem; Solution

1. Introduction

The civil aviation industry belongs to the high-tech industry type, which not only requires the establishment of a high-quality service system, but also the improvement of various skills of civil aviation pilots to ensure that they have emergency response capabilities in special situations. Based on the current situation, there is a shortage of civil aviation pilots in the development of the civil aviation industry. In terms of talent cultivation for civil aviation pilots, it is essential to change the existing training mechanism and solve the problems encountered to achieve sustainable development goals.

2. The Problems in the Current Civil Aviation Pilot Training System

2.1 Problems of Government Led and Market-Oriented Mechanisms

For some civil aviation colleges, the majority of funding comes from special grants and research awards, resulting in a lack of autonomy in professional settings, enrollment, and employment, which makes it difficult for the colleges to meet the requirements for talent

cultivation. From a market perspective, the number of training institutions and colleges has increased, but government education still dominates. However, due to insufficient participation of social capital, a favorable market competition environment cannot be formed, which affects the training of civil aviation pilots.

2.2 The In-Conformity of Talent Cultivation System and Market Demand

In the current process of training civil aviation pilots, some civil aviation companies lack a standardized vocational training system through internal training. The practical ability and disciplinary background of pilots are insufficient, and there is a gap in integrating practical needs. In addition, the training content used internally is out of touch with the needs of the civil aviation industry, and the application of the quality assessment system has encountered multiple challenges, making it difficult to ensure the quality of internal training in civil aviation companies.

2.3 Challenges Encountered in Capital Investment and Resource Allocation

In the current pilot training process, it mainly relies on government financial support, with insufficient social funding and many training facilities aging, which affects the effectiveness of pilot training. In some regions, civil aviation resources are concentrated, and in terms of talent cultivation, the distribution of regional resources is uneven, which cannot solve the problem of talent supply. Many airlines adopt unique talent development methods, which mainly restrict the flow of information and affect the development of civil aviation industry. Some outstanding pilots have experienced job hopping due to limited career development, resulting in a shortage of talent due to the lack of reasonable career planning for current pilots.

3. Solution to the Problems of the Current Civil Aviation Pilot Training System

3.1 Comprehensive Promotion of the Market-Oriented Reforms

During the current process of training civil aviation pilots, in order to solve the problems encountered in the pilot training system, it is necessary to encourage social capital to participate in the education, comprehensively build a diversified training mechanism, avoid problems such as excessive financial pressure on relevant institutions, and help the sustainable development of the aviation industry. In the process of pilot training, it is necessary to comprehensively establish the awareness of quality enhancement, adjust the training outline and process, enhance the theoretical foundation of pilots, and obtain market recognition to ensure the active participation of social capital and achieve the basic goal of market-oriented reform.

In addition, in the market-oriented reform, it is necessary to clarify the cost awareness. After actively obtaining support from local governments, the management and manpower costs borne by the flight academy need to change the original cost management methods, minimize talent cultivation costs, continuously expand market share, and seek new ideas for talent cultivation.

3.2 Reasonable Strength of Quality Supervision

In the current training of civil aviation pilots, it is imperative to establish a scientific evaluation system, optimize existing courses, attach importance to theoretical courses and practical ability cultivation, and achieve phased development goals. In the process of quality supervision, it is necessary to consider whether there are insufficient resources and low levels of training, and pay attention to the development of courses, increase investment in human resources, build a sound curriculum system, and enhance the comprehensive literacy of current pilots. In the training of civil aviation pilots, adopting a standardized curriculum system can provide reference for other companies in pilot training, while also ensuring the level of training and standardizing the training system.

3.3 Guarantee of the Rationality of Capital

Investment and Allocation

In the training of civil aviation pilots, it is favorable to consider the investment and allocation of funds, open up new sources of funding, attach importance to the investment in training facility construction, prevent the problem of outdated equipment, and accurately record every use of funds. For areas with concentrated resources, it is beneficial to pay attention to resource allocation within the region, make up for the phenomenon of insufficient resources in some areas, and ensure the stability of talent supply. In the process of cost control, it is necessary to accurately analyze the demand of the civil aviation market, determine the strategic development direction, ensure a reasonable proportion of talent training structure, and achieve phased development goals. In the training of civil aviation pilots, it is necessary to have a clear understanding of the quality of training and gain market recognition.

3.4 Building a Comprehensive Training System

For local flight colleges, it is necessary to understand modern training models, actively develop towards high-end training fields, improve the training standard system, consolidate pilot skill training content, and ensure that pilots meet international standards. During the training process, it is necessary to pay attention to resource integration, actively complete resource sharing, focus on protecting scientific research achievements, and achieve ideal training requirements. Schools also need to actively utilize weekend time, reasonably implement the non-stop airplane training mode, scientifically allocate existing resources through closed-loop training methods, and create an integrated training program.

In the construction of pilot training bases, it is needed to make reasonable use of social resources, ensure that airports and aircraft are utilized reasonably, actively achieve resource integration goals, and achieve the goal of high-quality training. As for the resource integration, it is needful to explore all resources, attach importance to the innovation of flight training processes, and meet the new trends of market development. In terms of optimizing flight training content, the focus is on practical courses such as technical expertise, instrumentation, and commercial driver's

licenses. Based on practical needs, the training outline is adjusted and an independent training base is established.

3.5 Legal Training Conduct

In order to cultivate excellent civil aviation pilots, it is wise to ensure that pilots have good professional ethics and work style. In the implementation of training work, we always adhere to military management and carry out targeted training activities in combination with the development needs of civil aviation. Before civil aviation pilot training, it is necessary to pay attention to enrollment and interviews, to address the issue of insufficient professional ethics of pilots at the source, understand the basic vision, expression ability, and sports ability of pilots, actively complete pilot screening, and enhance pilots' sense of mission through political education. In the process of pilot education, it is necessary to clarify the concept of responsibility first, formulate reasonable civil aviation regulations and systems, and ensure the stable progress of training work. For pilot training, it is necessary to strengthen basic aircraft operation training, such as drifting, leveling, jumping, etc. Pilots also need to have good psychological qualities in order to achieve the goal of safe driving.

4. Conclusion

In summary, in the development of civil

aviation industry, it is integral to attach importance to pilot training, actively innovate pilot training models in combination with market demand, effectively improve training quality, and cultivate talents for the development of aviation industry. Besides, during the process of pilot training, it is imperative to propose clear strategic development plans, enhance the responsibility literacy of pilots, and gradually improve the training level through quality assessment methods to help the healthy development of the aviation industry.

References

- [1] Lu Fei, Wei Xingyu, Chen Haonan. *Research on the Comprehensive Evaluation System of Landing Operation Quality for Civil Aviation Pilots* [J]. Journal of Safety and Environment, 2024, 25 (02): 558-571
- [2] He Zhucheng, Liu Beige, Dong Ning. *Comparative Study on Pilot Training Models in Chinese and Foreign Civil Aviation* [J]. Civil Aviation Management, 2024, (02):101-104.
- [3] Xun Ming. *Analysis and Suggestions on the Training System for Civil Aviation Pilots* [J]. Science and Technology Innovation Report, 2021, 18 (13): 193-195