

Analysis of the Construction Path of Ideological and Political Education in the Major of Civil Aviation Safety Technology Management

Jiaxi Zheng

Guangzhou Civil Aviation College, Guangzhou 510403, Guangdong, China

Abstract

Starting from the major of civil aviation safety technology management, this article studies the guiding significance, internal connection of the "spirit of labor" and the "two absolute safety" concepts in the practical training process of students, as well as their practical manifestations in vocational education. From the perspective of the connection between talent cultivation objectives and the cultivation of professional qualities in civil aviation security inspection, this article builds a theoretical framework of ideological and political education for civil aviation safety technology management courses, providing guidance for cultivating civil aviation security inspection talents with both "morality and skills".

Keywords

Civil Aviation Safety Management Major; Spirit of Labor; Two Absolute Safety; Ideological and Political System; Professional Courses.

1. Introduction

Infiltrating ideological and political elements into the professional teaching of civil aviation safety technology management is an important way to cultivate specialized talents in civil aviation safety technology management who have the feelings of loving the Party, the country and the people, and can consciously practice professional spirit and professional ethics. It is of great significance for achieving the organic unity of value and knowledge. Under the great strategic vision of building a strong civil aviation country, the absolute safety task of the security inspection post, that is, the implementation of the two "absolute safety" concepts of absolute safety in aviation operation and absolute safety of personal safety, points out the direction for infiltrating ideological and political elements into professional teaching. At this stage, as an important part of education, professional teaching shoulders the mission of internalizing the spirit of labor into students' professional sentiment and externalizing it into safe practice.

Combining the "spirit of labor" and the "two absolute safety" concepts with the civil aviation safety technology management course can realize the organic combination of the establishment of values, the transmission of knowledge and the cultivation of professional skills, effectively play the educational role of the course, and greatly improve students' professional qualities. While learning professional knowledge and professional skills, students are subtly influenced by values education and professional outlook cultivation. This is of great significance for cultivating comprehensive qualities of both morality and law, truly achieving the educational purpose of cultivating people with morality, significantly strengthening professional qualities, and comprehensively improving the quality of talent cultivation.

2. Guiding Analysis of the "Spirit of Labor" for the Civil Aviation Safety Technology Management Major and its Post

As one of the core contents of the Chinese national spirit, the ideological and political essence of the spirit of labor is integrated into the Marxist view of labor and the national ethical gene of diligence and struggle. From the perspective of ideological and political education, the spirit of labor reflects the materialist view of history on the material production activities of the practical subject and the creation of the value of the practical object, and at the same time, it highly demonstrates the professional ethics, social responsibility and collectivism of the spirit of labor. The spirit of labor in civil aviation has its most specific meaning. Civil aviation practitioners need to ensure the safety of every flight. Whether it is the steady driving of the aircraft by the pilots, the careful inspection of facilities and equipment by the ground crew, the proper storage of passengers' luggage by the luggage handlers, or the considerate service provided to every passenger, all these rely on the implementation of the spirit of labor.

The students majoring in civil aviation in vocational colleges will directly participate in the front line of civil aviation production in the future, and school education is a key position for cultivating the spirit of labor among civil aviation students. In this process, the power of examples is an indispensable driving force. Captain Liu Chuanjian, the "Hero Captain of Civil Aviation of China", made an emergency landing in the cockpit under the extremely rare and dangerous situation of the windshield glass of the cockpit breaking and falling off and the cabin losing pressure. This reflects his superb flying skills and strong professional will. His heroic deeds have become an excellent model for civil aviation students. It is required that civil aviation students learn from civil aviation role models, subtly take the hero captain as an example, establish a first-class and persistent professional dedication spirit, study professional knowledge diligently, improve practical skills operation, and cultivate the spirit of craftsmanship. The spirit of labor at a deep level demonstrates the dialectical relationship between the value of human beings themselves and the development of social value, which is consistent with the core of ideological and political education, that is, to cultivate socialist builders and guide young people to correctly understand labor. It is an important spiritual weapon for cultivating students' civil aviation professional beliefs and strengthening their sense of responsibility.

3. Analysis of the Professional Relevance between the Spirit of Labor and Civil Aviation Safety Technology Management

The major of civil aviation air security assumes the important, sacred and error-free basic task of ensuring civil aviation safety, and the professional characteristics are highly integrated with the essential requirements of the spirit of labor in all aspects and from multiple angles.

First, from the perspective of curriculum setting, the "Aviation Law and Security Inspection Regulations" course requires students to be familiar with the literal meanings of various safety rules and regulations, understand them thoroughly and execute them strictly. This is a trial cultivation of the "zero error" and extremely responsible awareness. In the "Luggage Security Inspection" operation course, for the prohibited items of various security inspection objects, students are required to be proficient in knowing and accurately reacting to all prohibited items in different directions, different parts, different shapes and states according to the standard procedures, and not to miss even the tiniest prohibited item. This cultivation of the learning and working attitude is consistent with the concept of "loving one's job and being dedicated" in the spirit of labor. In the future, when employees go to work, whether it is the security inspection of passengers' checked luggage or the security inspection of airline cargo, ignoring

the tiniest details in one link may lead to serious safety hazards. Therefore, they must be single-minded and strive for perfection.

Civil aviation safety cannot be achieved in a single link, but depends on the mutual connection of many links and dynamic risk management and control. In the "Security Inspection Site Handling" course, students further understand the multi-link site handling process and the importance of the mutual cooperation of each link. From the efficient command of the aircraft's landing by air traffic control, to the maintenance of the aircraft by the flight crew and maintenance personnel to ensure the airworthiness of the aircraft, as well as the timely discovery and prevention and control of various safety risks by the safety technology management major of security inspection, these interlocking processes also reflect the specific manifestation of the spirit of model workers' unity and cooperation and innovation in the civil aviation field.

Safety and awe are the professional ethics and behavior norms of "safety first, awe of responsibility" advocated by the spirit of labor. Just like a lighthouse, they continuously provide strong spiritual motivation and direction for the development of civil aviation safety technology management. In the teaching of "Introduction to Civil Aviation" and "Introduction to Aviation Security", students learn to use scientific methods to identify, evaluate and control various safety risk factors at the security inspection site, and understand that safety responsibility is heavier than Mount Tai. After entering the workplace, whether they participate in the optimization of the safety technology process of aviation security inspection or continue to be committed to applying new technologies and new methods to improve civil aviation management safety, they should take the spirit of labor as their belief, continuously improve their professional skills and self-worth while guarding the lifeline of air traffic safety, and contribute to the safety construction of the efficient operation of the air transportation system.

4. Guiding Analysis of the "Two Absolute Safety" Concepts for the Civil Aviation Safety Technology Management Major and its Post

The "two absolute safety" concepts, that is, the two safest concepts of ensuring the most reliable safety in the field of aviation security and ensuring the safest passengers in the field of civil aviation life safety, are the safety work standards and guidelines that are comprehensively implemented in civil aviation safety work. In the first dimension, it is used to guide the design of the aviation safety management system: the process design of the civil aviation security system, the design of identification algorithms such as the judgment of security inspection personnel's behaviors, etc., should all start from meeting the "two safest" requirements. The minimum requirement for the technical system is to predict more abnormal behaviors in the scene of personnel flow, which is an early prediction in addition to preventing safety hazards within the scope of scanning metal detectors, instrument missed inspections, etc. It requires standardized operation and accurate early warning to reduce safety blind spots. In the second dimension, from the perspective of values, it guides the safety behaviors of employees. For example, it changes "ensuring safety" to "caring about life", and changes the judgment of "respecting the value of life" from conflict in some aviation safety measures to cooperation. On the premise of adhering to the principle of technical execution, it attaches more importance to the value recognition of effective communication with passengers, so as to provide "flexible care" for safety management. In the third dimension, from the perspective of business specialization, it promotes the comprehensive training of civil aviation security employees on safety technology concepts with the strictest safety standards: it requires employees to be familiar with the most cutting-edge aviation security technology tools such as image analysis technology, safety risk diagnosis and prediction, and at the same time, it should promote employees to internalize the concepts of national security awareness and humanistic care in

their cognitive activities. In the specific skill operation level, engaging in civil aviation security is only to serve the purposes of air defense safety and passenger safety.

Based on this, the cultivation of the civil aviation safety technology management major should not only focus on the cultivation of students' practical safety management abilities such as dangerous goods identification and process management from the engineering and technical level, but also pay attention to students' cultivation of the national security concept from the bottom of their hearts. Based on the ideological foundation of wholeheartedly respecting the concept of "people-oriented", it should improve students' abilities of national security technology management. Through the dual shaping of theory and practice, the complete logical chain and ability guarantee from the declaration to the practice of "absolute safety" can be ensured.

5. Analysis of the Professional Relevance between the Ideological and Political Spirit Connotation of the "Two Absolute Safety" Concepts and Civil Aviation Safety Technology Management

The "two absolute safety" concepts are the basic theories of civil aviation safety operation. The ideological and political soul of the "two absolute safety" concepts contains three levels of content, namely, political direction, value orientation and practical orientation. In terms of ideological and political nature, it is the political positioning of civil aviation safety. Its political nature is the overall political positioning of air defense safety as an integral part of safeguarding national sovereignty, security and development interests within the perspective of the overall national security concept. The identification and interception of dangerous goods, the judgment and handling of abnormal behaviors by security inspection personnel are not only specific technical behaviors, but also the specific manifestation of our political mission to safeguard national air defense safety. Professional education can help students establish the political positioning of "safety is politics" while training their professional skills, so that specific work can become an action responsibility for safeguarding national security.

The "two absolute safety" concepts are the manifestation form of the development thought of "putting people at the center" in civil aviation safety work. Technical safety management not only attaches importance to technical requirements, but more importantly, makes a value orientation between technical requirements and the right to life: when there is a conflict between technical requirements and life, the work of decision-makers should reflect the highest respect for the right to life. This value orientation means that technical education should not only be the training of "tool people" for technical methods, but should pay attention to training students to establish the dialectical relationship between "risk management and control" and "human care" through professional courses such as "Introduction to Aviation Security", "Explosive Detection and Disposal" and "Security Inspection Service Etiquette". When the security inspection standards and the occurrence of special situations inevitably conflict with the dignity of passengers' lives, the first choice should be the humanistic care for the right to life, and use the cold security inspection standards to protect the warmth of human nature.

The introduction of new technologies such as AI-assisted image judgment and millimeter-wave human body scanning is essentially to transform the normative goal of "absolute safety" into something that can be measured, recorded, and the uncertain safety blind areas can be reduced through the optimization of artificial intelligence. And the service links at the security inspection site, such as multilingual services and humanistic care, aim to obtain social trust in safety management by eliminating passengers' nervous emotions. Disciplinary education needs to cultivate students' adaptability between "technical rigidity" and "service flexibility" in the teaching links of "Security Inspection Basics I", "Security Inspection Basics II", "Comprehensive

Security Inspection Training", "Psychology and Behavior Management of Civil Aviation Security Inspection".

6. Conclusion

The effective implementation of ideological and political education is a systematic shaping of the civil aviation safety technology management major, which integrates the establishment of national security responsibilities, professional ideal values and professional technical abilities. That is, through the dual-wheel drive of the spirit of labor of being dedicated and proficient in one's work and the "two absolute safety" concepts of safe and stable operation and foolproof prevention, the integrated training of politics, profession and specialty is realized. Among them, the spirit of labor is the carrier for cultivating professional genes. By guiding the values of being dedicated and professional and training in unified actions and unified procedural standards, it can improve students' professional instincts of paying attention to details and fulfilling their responsibilities in technical operations, and integrate every link of security inspection technical operations into the political belief of safeguarding national security. The high-dimensional value coordinates of the "two absolute safety" concepts build a foundation for professional technology to safeguard national sovereignty and political interests from the perspective of national security, integrate technical operations into the firmness of national sovereignty and the stable state of security inspection. From the perspective of humanistic care, it unifies professional technology and life care, highlights the political value of national security in the learning and application of knowledge and technology such as intelligent image judgment and risk deduction, and cultivates students' service awareness of respecting life in the practice of security inspection services and emergency responses. The two are mutually unified and mutually promoting, infiltrating the instrumental rationality of professional education, and building a political belief foundation of loving the Party, the country and the people from the innovation of technical operation methods and the progress of technical means such as humanistic care for service objects.

References

- [1] Tang Huibing, Duan Yi. Theoretical Origin, Practical Development and Connotation Interpretation of the Contemporary Civil Aviation Spirit [J]. Journal of Civil Aviation, 2022.
- [2] Wang Yaqiong, Hou Zhenhua. Research on the Talent Cultivation of Aviation Colleges from the Perspective of the Contemporary Civil Aviation Spirit [J]. Journal of Civil Aviation, 2023.
- [3] Chen Wanyue, Wang Haiyan. Exploration and Practice of Ideological and Political Education in Civil Aviation Safety Technology Management Courses [J]. Theoretical Field, 2023.
- [4] Liu Xia. Practical Research on Integrating Civil Aviation Industry Culture into Ideological and Political Theory Courses in Colleges and Universities [J]. Journal of Civil Aviation, 2024, 8.
- [5] Zhang Li. The Integration of the Spirit of Craftsmanship in the New Era and the Contemporary Civil Aviation Spirit [J]. Journal of Civil Aviation, 2022, 6.
- [6] Zhu Cuilan. Construction of the Promotion Mechanism of Innovation and Entrepreneurship Education Guided by the Spirit of Labor [J]. Journal of Higher Education, 2025.
- [7] Zheng Jiaxi. Teaching Design of the Course "Physical Fitness Training for Security Inspection" [J]. Journal of Civil Aviation Flight University of China, 2021.
- [8] Wang Yingchun. Talent Cultivation of Civil Aviation Safety Technology Management Major under the Background of Industry-Education Integration [J]. Vocational Education Research, 2017.