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## **THE ROLE OF SCIENTIFIC HUMANITARIAN KNOWLEDGE IN SPIRITUAL AVIATION EXPERT PERSONALITY BUILD-UP**

*The article analyzes the philosophical and ethical aspects of spiritual personality in the process of preparing the future professional in aviation industry.*

Modern development of the international airspace and inclusion of the national airspace have put many diverse issues related to improving of the safety and efficiency of air transport on the agenda. As part of this problem, in our opinion, are its social and cultural aspects in its widespread sense and in particular the role of humanitarian education in future workers of aviation industry training.

Analysis of the literature on this subject affirms that technical and psychological side of the issues related to human factor is more completely covered. Sociological and cultural aspects mainly concerns some separate problems related to the direct release of technical issues for humanitarian ones [2-4; 8; 10; 12].

Less attention is paid to the role analysis of the educational environment in professional training of pilots, peculiarities an educated pilot's personality build-up, common place and the role of humanitarian knowledge in the system of future pilots training (and in general aviation sector workers) in the context of quality improvement of aviation management and security implementation flights. In regard to this, the works of philosophers have some importance, where matters of harmonious personality education are risen, to overcome its "one-dimensionality" and insufficiency in formation of new ethical attitude to life (K.-O. Apel, Herbert Marcuse, L. Memford, Toffler, A. Schweitzer, etc.) [1; 6; 7; 11; 13]. Therefore, in this article, we have attempted to examine the place and content of the humanitarian component of professional knowledge in the build-up of future pilot's harmonious personality.

The humanitarian aspect in the entire personality of aviation industry worker build-up involves his educational program requirements fulfillment as for mastering of a certain amount of knowledge in philosophy, ethics, and culture.

One of the most important of these components, in our opinion, is an in-depth study of axiological issues related to the practice of decision-making. This is in line with the personality-centered approach to the education of future pilots, which offers psychological and pedagogical theory. The essence of the latter is that a person gets not only a certain amount of knowledge, but involves in the educational process of personality build-up, gaining experience in the implementation of specific personality features: self-identification, reflexion, sense determination, will regulation, responsibility, creativity and so on. [2, p. 37].

The matter is that personal assessment includes personal ranking of importance level, or quality of the situation. In connection to decision making estimates serve as compass that indicates the desired direction to the person when it

is necessary to choose between several alternative actions. It is important to emphasize that any solution not only related to issues of social responsibility and ethics, are based on certain system of values foundation.

A number of ethical categories are closely related to the concepts of freedom, responsibility, the most important of them is duty as the need to fulfill own moral obligation and to obey the will which is more important than own. Its implementation implies agreement with those requirements that are placed in the imperatives of duty. Other moral and psychological mechanism is in tune with this concept; the conscience which operates out of our soul and is the indicator of our diligent performance of own duties. That is, the sense of responsibility for the specific duty, it is an internal self-report for performing a moral obligation of the individual [5, p. 81, 92, 94].

The importance of the individual value orientations are confirmed by that they influence the way the decisions are made. There are also many factors that make it difficult interpersonal and inside-organization communication that influence the decision-making. It can appear in different perceptions of serious current problems, restrictions and alternatives, leading to disagreement and conflict in decision-making. Therefore, an important part of education and training is to develop teamwork, shared value systems, a sense of team, and a kind of overcoming of "one-dimensional" man, where social nature of professional skills of the pilots appears.

Today, the dynamism of the cultural environment and its technical production has come to change slow institutional processes that prevailed in the past. So ethical category of responsibility which according to K.-O. Apel can be interpreted as the principle of the conservation and self-preservation as a principle of liberation and fulfillment of humanity in terms of the fundamental concepts of communicative philosophy [p. 46-67] can be considered more widely. At the same time the process of ecology concern and cosmic meaning of human activity contribute to some convergence of traditional notions of macro – and the microcosm of a separate personality, in connection with which crucial ideas of A. Schweitzer as for reverence for life and ethics as unlimited liability for everything alive are becoming more important [13].

In this to regard culture in its broadest sense (as a culture of behavior, communication culture, religious culture) can act as a guarantor of the preservation of real human freedom, in which a number of researchers are convinced (F. Zaragoza, A. Schweitzer etc.). V.S. Polikarpov draws attention to the phenomenon of "conglomerate culture", meaning of which lies in the fact that modern scientific and technological culture is a kind of set of different cultural microcosm that must be synthesized into single entity coherent [9, p. 212-213].

In his work "The Third Wave" Toffler main attention pays to the current period of transition from industrial to post-industrial (or super industrial) society, analyzing issues of economic transformation and spiritual values of life principles as a part. In the field of spiritual activity important meaning has the problem of creating of full value and healthy emotional life psychological sphere that depends on the full implementation of the three basic needs of every individual: the need for community, structural clarity and relevance, which are closely related to each other

and give the person a sense of vital necessity and appliance.

One of the major manifestations of systemic crisis of society of "The second wave" is a crisis of community disharmony and imbalance of social and psychological environment, which is determined in spread of loneliness "plague". According to Toffler one of the key reasons for the phenomenon of evil loneliness in modern Western society is increasing of social differences. Thanks to demassification of the society personal individualization is deepened opportunities for a more complete realization of the individual potential are created, but at the same time people contacts are becoming more complicated. Individualization strengthening increases legibility of individuals in their social relations, reduces probability of meeting people with similar interests, values, tastes and plans. Institutions traditionally depended on the maintenance of community, decay in all modern technological societies and the decay of mass society under conditions where maximum of individual self-fulfillment is observed, causes painful feeling of isolation, loneliness, a phenomenon which in modern Western society has become not only the spiritual, but also the economic factor. It is based on the analysis of all these phenomena – loneliness, structure and purpose losing, value destruction that accompanied the crisis of industrial civilization – you can understand the meaning of certain social phenomena of our time [11, p. 278, 281, 287-289].

Through a category – metaphor "one-dimensionality" of social life and the state of consciousness Herbert Marcuse analyzed dehumanization of advanced industrial society, being quite pessimistic to the possibility of overcoming the alienated nature of the social system, the subordinate rationalization as an end in itself and the meaning of human existence, the rule of repressive forms of individuals sublimation. "Developed one-dimensional society alters the relationship between rational and irrational... ever antagonistic realms – the magic and science, life and death, happiness and unhappiness are now combined on a technical and political background" [6, p. 124-125].

Technological determinism was critically assessed by L. Memford, emphasizing the danger gap between technology development and spiritual one, the possibility of human enslavement from the so-called Mega machine as extremely rationalized technocratic organization of modern society. He wrote that " Instead of active functioning as an independent personality, a man will become passive, an animal determined by machine that has no purpose, and own functions of... which are under the control for the benefit of personalized collective organizations" [7, p. 59].

## **Conclusion**

Therefore, taking into consideration everything named above we can determine the place and role of human knowledge in the training of future professional aviation industry. We need to emphasize the role of creating a valuable personality-centered model of education and training aimed at developing the entire personality of a pilot. Thus, we believe that this goal better achievement will contribute to broad humanities approach to specific content knowledge of professionally significant aviation safety issues. Prior to that content it is necessary to include the knowledge of such disciplines as ethics, moral consciousness, philosophy, cultural studies, to facilitate the acquisition of the necessary capacity to

perform personal functions of future professional pilots. From this perspective, modern education should ensure that everything which is necessary for full emotional life and a harmonious society psychological sphere conditions. This will harmonize the two main forms of vision: the rational – scientific and irrational within contemporary culture, on that basis, reproduction of a certain way of life, social and individual characters.

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