

Annotation

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The system of pilot training, as presented and carried out at the 21st Tactical Air Force Base, shows some apparent imperfections. To fulfil the need of revitalization has been written this Rigorous thesis. The objective of the thesis is to determine the influence of physical activity on the manoeuvring combat and the influence of close-range manoeuvring combat on the pilot's mental state. The age, number of years on duty, number of flight hours and physical state were also monitored in respect to factors of the POMS questionnaire. Pilots' personality profiles were determined using the MMPI-2 questionnaire.

The thesis is formed as a pilot study. A questionnaire for data collection was designed, divided into two parts. In the first part, the respondents filled in the POMS and MMPI-2 questionnaires, qualifying their emotions and answering questions. Based on the data received, the main factors influencing changes in mental state were to be determined. The other part can be characterized as non-standardized. The information was used to supplement this experiment and to explain some of the relations.

The thesis points out significant differences between the pilots in various factors. The results show the most apparent differences in the experience of the pilots with the more experienced showing a higher psychological stability in most factors. The results show that the age of pilots influences the factors more than the number of the years in service. The thesis also clearly proves the influence of physical condition on the individual's mental status.

Keywords: Manoeuvre, combat, physical load, orientation, psychology, stress