Abstract

This dissertation consists of an introduction, five theoretical-empirical chapters, and a conclusion, which summarizes the conducted research. The purpose of the study was to identify the directions for improving aviation predisposition training, which will contribute to the enhancement of efficiency and reduction of training costs for candidates for military pilots and unmanned aerial vehicle (UAV) operators at the Polish Air Force Academy.

Next, the main research problem and hypothesis were formulated, along with three specific problems. During the research process, both theoretical and empirical methods were applied. The former group included: document analysis, synthesis, comparison, inference, and generalization. Among the empirical methods, a diagnostic survey and expert interview were used.

In conclusion, it can be conceded that the conducted research was relevant and aimed to deepen knowledge about the possibilities of improving predisposition testing training for the profession of a pilot and a UAV pilot-operator. The conclusions from the analyses indicate that the competencies of a pilot and a UAV pilot-operator, although partly comparable, require the development of separate competency models and measuring different predispositions in candidates. Therefore, it is worth considering a diversified testing training program, taking into account predispositions for candidates for the UAV piloting direction. So, the tasks prepared for candidates in testing training should be different, depending on the specialization. In addition, training programs should to a greater extent incorporate the use of flight simulators and put more emphasis on teaching operator skills to pilot students. The use of advanced simulators significantly reduces costs, considering the prices of flight hours using aircraft and flight simulation devices. Furthermore, highly specialized simulators allow for better observation of the candidate by the instructor than performing similar tasks in the air.

Keywords: BSP pilot-operator, military pilot, predispositions, „Selector", simulator, verification training.