The name of the thesis: Comparison of soldier’s physical performance with and without gear during conduction of basic and special physical training.

The goal of the thesis: The thesis considers an influence of personal equipment for performance of individual (soldier). The relations between conclusions are surveyed, which is detected by kinetic tests of motion predispositions for basic physical training together with kinetic activities, which are related to special physical training of a soldier. Standardized kinetic tests is used in order to survey motion capabilities and non-standardized test to survey motion performances linked to execution of professional duties of a soldier within the armed forces. Conclusions is evaluated by correlation analysis. The examined group is formed of intentionally selected soldiers between age of 21 to 38 of the Army of the Czech republic 43RD Airborne battalion from Chrudim.

Used methods: Quantity study with observational character using correlation analysis. For evaluation is used Spearmen’s correlation coefficient.

Key words: Soldier, kinetic tests, fitness capabilities, correlation, analysis of strain.