

ANNOTATION

Interoperability outfitting material in military operations

The subject of the project is to verify the functionality of the existing outfit components measuring physiological properties of the fabric of military clothings at the simulation of climatic conditions in all areas of the world. In the laboratories of the Department of clothing of Technical University in Liberec will be measured by thermal insulation properties, permeability and water vapor permeability. For measurement of thermal insulation properties will be used disc method, which allows you to set the temperature of the real climatic conditions of different areas of the world.

The aim of the project is based on the measurement of physiological comfort and the statistical evaluation propose models system layering for specific climatic areas and process design methodology of right layering system of military clothing and their maintenance depending on the climatic conditions in all areas of the world.