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ERGONOMIC REQUIREMENTS FOR SPECIAL CLOTHING (UNIFORM) IN SUMMER

Research paper has a set of ergonomic indicators, which should be taken into account when designing summer special (uniform) clothing for the National Police.

Special-purpose clothing must meet a number of ergonomic requirements: have protective functions, meet hygienic requirements, be as comfortable and functional as possible. Violation of these requirements can lead to significant changes in human functional systems, namely: cardiovascular, nervous, respiratory, endocrine and the like. Therefore, special attention is drawn to the ergonomic aspects of design, which provide a combination of safety and convenience (comfort) of the user.

The existing systems of classification of ergonomic requirements for industrial clothing require improvement in accordance with each product range. In the paper, the authors suggest a generalized classification of ergonomic requirements, which include a set of anthropometric, hygienic, physiological and psychological indicators for special (uniform) summer range for National Police officers.

The study of a set of ergonomic indicators for special (uniform) clothing was carried out by the method of theoretical and analytical study of existing classifications of ergonomic indicators for industrial clothing.

The scientific novelty of the obtained results is that on the basis of theoretical researches the basic ergonomic requirements for special (uniform) clothing of the summer assortment are determined, their generalized classification and structure are made, and also the structure of each individual indicator that is part of the ergonomic is determined.

In their conclusions, the authors conclude that in order to obtain high-quality special (uniform) clothing of the summer range, it is necessary to take into account the whole range of ergonomic requirements that are put to this range of clothing.

The result of the study can be used in the development of new and improvement of existing items (kits) of unilateral special summer uniform of police officers.

Keywords: design, indicator, ergonomic requirements, special clothing.

REFERENCES

1. *Kolosnichenko, M.V., Zubkova, L.I., Pashkevych, K.L.* and others (2014) *Erhonomika i dyzayn. Proektuvannya suchasnykh vydiv odyahu. "Ergonomics and Design. Designing of Modern Types of Clothing": textbook.* K.: PP "NPC" Profi ". 386 p. [in Ukrainian].
2. *Koblyakova, Ye.B., Ivlieva, G.S., Romanov, V.Ye.* (1988) *Konstruirovaniye odezhdy s elementami SAPR. "Design of Clothes with CAD Elements".* M.: Legprombytizdat, 1988. 463 p [in Russian].
3. *Kolosnichenko, M.V., Protsyk, K.L.* (2011) *Moda i odyah. Osnovy proektuvannya ta vyhotovlennya odyahu. "Fashion and Clothing. Fundamentals of Designing and Manufacturing of Apparel": manual.* K.: KNUTD, 2011. 238 p. [in Ukrainian].