

School of Engineering
Department of Mechanical and Industrial engineering
MED70LT

Rethinking the tarp. User centred approach for the Estonian Defence forces

Kasutajakeskne lähenemine tootearendusele Eesti Kaitseväge jaoks telkmantli näitel

Msc. Design & Engineering

Student: Tõnis Voitka

Student code: 153570

Supervisor: Janno Nõu

Author is applying for a degree of Master of Science in Engineering (MSc)

Tallinn 2017

1 Prologue

1.1 Objective and outcome

The objective of this master thesis is to have an insight into to the current product development processes and methods in the Estonian Defence Forces. I will conduct interviews with companies and organizations who are involved in this process to find the gaps and problem areas that the EDF, the manufacturing companies and other organizations have overlooked. Relying on these findings I will conduct my user research and put myself in the position of the user.

The aim of this thesis is to show the EDF a new way of approaching and collecting information about the users of the equipment elements through the example of the tarp. The second side of this thesis is to show to the manufacturers how this information would help them make better products with less waste. In the end there will be a concept of a new tarp with renderings and product testing scenario, and suggestions of how the EDF and different manufacturing companies could benefit and change the current system for further projects to come. The concept tarp should be something that the EDF and the manufacturers can start to develop further into a real product for the EDF.

