

The goal of the research included in this thesis was to develop methods to conduct EMCON on THeMIS UGV in the CDS subsystem. Said goal was achieved and now the CDS has the capability of conducting EMCON. The research was used in Talgen deliverable "SP3-D2.4. Report on the Design of Electronic Warfare Capabilities".

Developing the capability for CDS to conduct EMCON on THeMIS UGV is critical for tactical and operational success. In this research, the general picture of electronic protection was created, an overview of the relevant equipment used on THeMIS was given and the attacks on GNSS and tactical radio threat vectors were explained. The most important aspect of this thesis, the measures to conduct EMCON are thorough and involve administrative, UGV and manufacturing aspects.

Some videos on social media and video platforms on how to conduct EMCON exist but they are not viable for use in academic research or the iMUGS project due to being for wide audiences which do not allow for detail. Such videos may create a general understanding of the topic but despite that, do not apply to either the iMUGS project or academic research. In addition, the information available is too shallow and impossible to implement into the EW subsystem as something that would be effective.

It can't be excluded, that the more detailed information on how to conduct EMCON to address the UGVs is confidential and requires either clearance to access Estonian national secrets or security clearance in NATO. Therefore, the research was intended to be composed using openly available or company confidential information. Additionally, since the information about the technology used by and produced in the Military Industrial Complex (MIC) is largely confidential the thesis written was intended to be the basis for developing methods to conduct EMCON in the EW subsystem. E.g., not diving too much into technical details. In addition, there was a significant amount of highly confidential company confidential information that could not be used in the thesis.