TACTICAL OPERATIONS CENTER IN COMBAT: A CASE STUDY ON INFLUENCE DIAGRAMS IN THE FIELD OF MILITARY SCIENCE

Abstract

In this paper, we present an influence diagram model of a tactical operations center on a field of battle in the context of a two-party conflict. With this example, we emphasize the potential of influence diagrams in situation assessment and decision analysis, and provide viable node structures to be implemented in more complex networks.

Keywords
Military computing, military systems, Bayesian networks, Dynamic Bayesian Networks, Military scenario framework