**Abstract**

A command and control (C2) system can be defined as any group of individuals organized hierarchically in which higher-ranking individuals can issue directions to their subordinates with a certain goal in mind. We present a model for representation of command and control networks in Coq, utilizing the proof assistant’s implementation of data structures, including examples of functions and properties that may be relevant in a C2 system.

**Keywords**

Coq, proof assistant, command and control, tree data structure