

Explanation of “a new non-proprietary communications protocol”

The Marine Corps uses simulation and training systems at their training centers that depend on wireless communications to communicate information about the training exercise back to a central exercise control center. These systems are currently based on vendor-owned, proprietary protocols that are incompatible with each other. One of the goals of this contract is to develop and demonstrate a new protocol that would be government-owned and therefore not proprietary.

The protocol only affects the data being carried by the radios, not the air interface of the radios themselves. The radios in these systems tend to be standard FSK/GMSK narrowband radios similar to those certified under Part 90 rules.