

Sentry View Systems requires the STA to test and evaluate a set of Persistent Systems MPU5 radios in the context of its Wave Relay implementation of a Mobile Ad Hoc Network (MANET). This type of radio network can be used to deploy mobile and fixed communication station nodes in a self-forming wireless IP network in order to share and relay a variety of traffic including voice, video, and data among a mesh of participating nodes. This traffic can be presented to a node user through a variety of presentation interfaces hosted on an Android computer system embedded within each radio.

A critical part of the capabilities of this type of radio network is that the radios actively adapt radio link characteristics and node routing requirements to the conditions of the RF environment in which they operate. These conditions include variables such as line-of-sight, noise, interference, and range as a function of the mobility of the radio nodes. The testing of this radio networking would be oriented towards evaluating the overall performance of the system.

Sentry View Systems is pursuing a variety of government based applications where this type of network could be deployed using Federally controlled RF spectrum. The STA allows a period of time to evaluate the technical performance of the radio network prior to the actual deployment within that spectrum.