

**Persistent Systems, LLC
Request for Grant of Special Temporary Authority
File No. 1055-EX-ST-2024**

NARRATIVE EXPLANATION OF OPERATION

Persistent Systems, LLC requests a grant of special temporary authorization for terrestrial-only testing of a mobile networking (MANET) system during a military exercise at the Army Base at Fort Huachuca, Arizona during a military exercise during the period July 22-26, 2024. It is urgent to conduct mobile radio range testing during a military exercise known as Thunderstorm 24-2. Testing will be to and from a single location within a 112.65-km radius of a center point at the John R. Fox Range on the Base. The antennas will be omnidirectional with 2 dB of gain. The center frequency of each of four transmitters will be 2240 MHz with a 5 megahertz occupied bandwidth and a 5M0D1D emission. Power will be 10 watts TPO with ERP of 9.89 watts. Antenna heights will be less than 6 meters AGL.

Throughout the testing period, complete shutdown of all antennas can be accomplished immediately. Should any interference be reported, all testing and evaluations will cease immediately and will not resume unless and until all such interference is resolved to the reasonable satisfaction of the complainant.

The *stop buzzer contact for this operation is Mr. Paul Greaves, Persistent Engineer*, whose mobile number is 813-618-6883. Other questions should be directed to undersigned communications counsel, who can be reached as follows:

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