

The Applied Research Laboratory (ARL) is a UARC (University Affiliated Research Lab) and is part of the Pennsylvania State University (PSU), as such it is both a research laboratory and is part of a university with a graduate research in engineering that is accredited by ABET.

- (a) This application is for radio frequency (RF) experimentation at a geographical area in Pine Grove Mills PA owned by the Pennsylvania State University. The primary test location within the outlined geometrical area is at coordinates 40.708742, -77.970230 (no street address).
- (b) ARL, as a UARC, has institutional processes in place to monitor and efficiently manage a wide variety of research projects. The majority of ARL's research funding is administered through a large omnibus NAVSEA contract and, as such, falls under the oversight of NAVSEA. ARL has a dedicated contracts office and maintains full compliance with Federal Acquisition Regulations (FAR). ARL PIs and researchers are required to complete yearly training that addresses Ethics, Property Management, Export Control, Conflict of Interest as well as specific federal requirements under the Omnibus NAVSEA contract addressing a drug-free work force, disclosure of information, preventing personal conflict of interest, and organization conflict of interest.
- (c) ARL is cognizant of FCC regulations and oversight. ARL has worked closely in the past with spectrum managers at various test ranges such as Idaho National Labs (INL), Yuma Proving Grounds (YPG) and others in order to conduct outdoor RF testing. ARL utilizes, and will continue to do so, best practices that include pre-planning for safety, pre-planning to ensure transmission is within approved bands/power levels, and monitoring of output power levels during any active transmission.