



**DEPARTMENT OF THE AIR FORCE
613TH AIR OPERATIONS CENTER
JOINT BASE PEARL HARBOR-HICKAM, HAWAII**

6 March 2024

MEMORANDUM FOR AFWERX/AFVentures Open Topic Phase 1 Team

FROM: 613 AOC/CC
700 Hangar Ave
Street Address
JBPH-H HI 96853

SUBJECT: Letter of Support for Blue Optimization

1. This is a letter of support for “Blue Optimization”, FX24D-PTCSO1-0135, Air Force STTR Open Topic Phase 1 proposal presented by Quantum Research Sciences (QRS), Air Force Institute of Technology (AFIT), Purdue University and Atom Computing.
2. The 613 Air Operations Center (AOC) supports this team’s application of quantum sciences towards our complex problem set. We expect this solution will save Pacific Air Forces (PACAF) valuable resources by optimizing their allocation across theater. More specifically, the selection of this proposal would further the 613 AOC’s Great Power Competition (GPC) objectives by providing the rapid data processing and computation necessary to overcome a myriad of challenges, from logistical to a Course of Action (COA) development, that may hinder a successful ACE implementation.
3. Application of quantum sciences beyond the field of physics is a strategic priority for the Department of Defense. It’s been brought to my attention that QRS has proven success by deploying a production-level quantum software to the DoD, which they did through a similar USAF STTR Phase I, II & III effort in support of Air Mobility Command. This team is now broadening their focus to a critical need for the Indo-Pacific theater, Blue Optimization. I believe that this joint-partnership across industry, academia, and the DoD to implement quantum sciences to the GPC can bring a great advantage to the Airmen of 613 AOC.
4. This letter of support does not constitute any promise of funding. Selection of QRS for an STTR award would provide the contract, funding, and opportunity to work with PACAF.
5. Please contact PACAF 613 AOC Chief of Technology and Innovation, Maj Paul Garcia (808-448-1444, email: paul.garcia.22@us.af.mil) with questions.

JAMES C. MCFARLAND, Col, USAF
Commander