



DEPARTMENT OF THE AIR FORCE
AIR FORCE RESEARCH LABORATORY
INFORMATION DIRECTORATE ROME NY

26 February 2024

MEMORANDUM FOR USAF/AFRL STTR TEAM

FROM: AFRL/RI
525 Brooks Road
Rome New York 13441

SUBJECT: USAF X22D-OTCSO1 Phase I Letter of Support

References: (a) 15 U.S.C. §638
(b) U.S. Small Business Administration SBIR/STTR Policy Directive (May 2019)
(c) 5 C.F.R. §2635.702(c), Exception (1)

1. Purpose: The purpose of this memorandum is to document interest in working with Quantum Research Sciences (QRS), Air Force Institute of Technology (AFIT), Purdue University and Atom Computing on a quantum computing project being submitted for an Air Force STTR Phase I award under proposal FX24D-PTCSO1-0135.
2. Defense Mission Need: The quantum technology being proposed in this submission is aligned with the USAF strategic capability for Rapid Global Strike. Specifically, quantum computing can deliver a logistical optimization more accurately and rapidly than conventional classical computers. If successful, this technology would provide valuable friendly force optimization details for USAF operations.
3. Project Timeline: We expect this Phase I effort to be completed within the 3 months allocated.
4. Matching Funds: No matching funds are provided by AFRL/RI.
5. Phase II Support: If Phase I is successfully executed, we are interested in supporting the adoption of Phase II software into the Air Force.
6. Conclusion: We are committed to the success of this project and hope that AFRL/RI Quantum Team support will lead to selection of this proposal for award. Please feel free to contact the undersigned with questions or requests for clarification.

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