Quick Guide to the Rapid Prototyping and Technology Initiative (RPTI)

Contract No. W15QKN-09-D-0016

The Rapid Prototyping and Technology Initiative’s purpose is to increase the Armament, Research, Development and Engineering Center (ARDEC) responsiveness to meeting its customer’s immediate requirements. To support of the Global War on Terror, ARDEC’s mission has expanded to include providing expedited developmental solutions to meet the Warfighter’s needs at various stages throughout the product lifecycle. Current needs demand the rapid delivery of working lethality and counter lethality solutions within weeks to no more than one year of receiving a requirement. RPTI provides a responsive contracting vehicle to meet the Warfighter’s immediate field requirements to counter the ever changing threats on the battlefield. ARDEC will depend on the RPTI contract vehicle to maintain momentum on key Army munitions, lethality & counter-lethality capabilities, and fielding solutions.

Competitive acquisition intended for a Multiple award IDIQ, Cost Plus Fixed Fee/Firm Fixed Price Contracts. Ceiling: $300M Period of Performance: 5 years

Why the Booz Allen RPTI Team

Booz Allen Hamilton, a global strategy and technology consulting firm, combines understanding the client’s mission and environment with expert services and an absolute commitment to client success. Our public sector work has significant impact—it enhances national security, economic well being, and the health and safety of countries around the world.

Booz Allen’s breadth stretches far beyond local office capabilities. Our vast reachback capability can bring technical skill sets across the entire scope of the RPTI effort. Our team of 25 subcontractors, each selected for their unique capabilities and depth across the contract requirements, allow us to provide our clients with a value-added resource to help them accomplish their missions. We understand the environment in which government agencies must function. Our capabilities available through the ARDEC RPTI contract allow clients to reach Booz Allen’s comprehensive expertise quickly to accomplish their missions.

Booz Allen Team Features:

- Ability to execute new capability rapid prototyping initiatives, support production roll-out and fielding demands.
- Prime contractor with the right team, sound processes, rapid response capabilities, and proven ability to manage large teams. Continual access to highly qualified staff.
- Technical and acquisition support to manage total life-cycle development, deployment, and sustainment over the full range of munitions systems.
- Dynamic program management infrastructure to continue providing innovative tools and processes relevant to the current operational environment.
Booz Allen's Commitment to the RPTI Team

Booz Allen selected “best-in-class” teammates from industry to provide superior solutions. Members have successfully collaborated to support ARDEC’s mission in the past. RPTI support is a long-term engagement designed for multiple task orders where all stakeholders, including the prime and each subcontractor, are actively engaged in helping solve the challenges ARDEC faces.

RPTI Services and Approach

The RPTI Team offers:

- One-stop shopping for Fabrication, Refurbishment, Prototyping & Engineering, and Ammunition Procurement
- Short lead times—delivery orders can be executed in days or weeks
- Flexibility—various task order contract types
- Short procurement process
- A pre-qualified firm (Booz Allen)
- Fair pre-negotiated rates
- A specialized mix of services

Booz Allen Team Strengths

The strengths of the Booz Allen Team include:

- Our Leaders and key personnel—the best people
- Our team structure, management processes, rapid response capabilities
- Our commitment to effective subcontract management
- Our technical capabilities in delivering QRCs and other key ARDEC requirements
- Our relationships and understanding of the ARDEC mission

RPTI Performace of Work Statement (PWS) Areas

**Processing, Supply and Fabrication of Materials** of armament related products: energetic materials and precursors, explosive formulations, new materials, insensitive munitions, coatings, additives, performance enhancing material, polymers, adhesives, ceramics and precursors, specialty metals and alloys, sensors & electronics, alternate and substitute materials and related components for all types of conventional ammunition and weapon systems.

**Fabrication, Refurbishment for Armaments or Related Manufacturing Equipment** for armaments or related manufacturing equipment, which includes armament, industrial plant equipment and ammunition peculiar plant equipment used to load, fill, manufacture, produce, pack, mark, inspect, test, analyze, deliver, transport, treat, condition, or support processes related to the development and/or manufacture of armaments or armament systems. Includes equipment relocation and installation as well as the ability to rapidly provide equipment spare parts and/or ancillary support equipment.

**Prototyping/Engineering Services** include system improvements or development of design capabilities related to manufacturing processes; design concepts for new technologies related to manufacturing; and products (e.g. improve existing armament design). Services include programmatic and engineering services, system engineering, quality engineering & assurance, modeling and simulation, systems integration, and the armament associated environmental, safety, producibility and hazardous disposal activities. Testing and inspection include analytical bench top.

**Procurement of Foreign Ammunition and Weapons** for training, comparison, and testing. Demonstrates the ability to rapidly procure small quantities of foreign materiel required for testing, training, and/or comparison to achieve mission objectives such as IED defeat.