



### **Research & Development** ACQUISITION MODERNIZATION TECHNOLOGY RESEARCH (AMTR) PROGRAM



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### **OBJECTIVE**

The recently established AMTR Program assesses acquisition and procurement processes, uncovers and prioritizes areas that would benefit from IT modernization or advanced technologies, evaluates technical requirements and pursues future research efforts for DLA.





Global dynamics have shifted, creating unique challenges for defense acquisition. Defense market competition is dramatically more complex and data-driven. Speed of change requires agile and knowledgedriven processes to strengthen our enduring advantages.



MARKETING NTELLIGENCE

An increased understanding of supplier markets through improved market sector analysis will enable supplier relationships, improved resiliency, and informed decision-making to drive best value across the acquisition lifecycle.



## COMMERCIAL INDUSTRY OPPORTUNITIES

DLA is exploring commercial best practices, such as advanced ecommerce e-marketplace or platforms. Leveraging existing commercial capabilities will enable rapid process transition upon fullscale implementation.

### **INNOVATION & TECHNOLOGY**

Identifying solutions to:

- · Improve contract award and management
- · Streamline purchasing
- Automate repetitive, rule-based tasks
- · Support and improve processes and data

Exploring potential uses of the following technologies:

- Artificial Intelligence (AI)
  - Machine Learning (ML)
  - Natural Language Processing (NLP)
- Blockchain



### STRATEGIC THRUSTS



Identify and incorporate emerging technologies across DLA acquisition processes



Gather and apply enhanced market intelligence

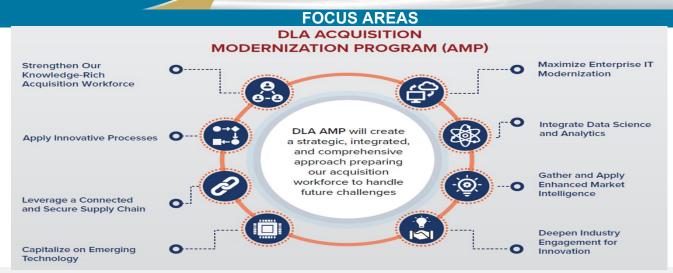


Leverage commercial best practices





# DLA RESEARCH & DEVELOPMENT AMTR PROGRAM



#### WARFIGHTER READINESS

### THE BENEFITS

- Increased speed-to-procurement created by enhanced customer support through enriched systems/tools
- Expanded market intelligence to drive improved pricing, strengthen vendor base and reduce supply risk
- Improved product quality and maximized value from accessible and assured suppliers
- · Informed decision-making enabled by new tools that provide information visibility
- · Increased competition among high quality suppliers

### INDUSTRY AND WHOLE OF GOVERNMENT PARTNERSHIPS

- DLA MAJOR SUBORDINATE COMMANDS
- DLA STAFF DIRECTORATES
- DEFENSE ADVANCED
   RESEARCH PROJECTS AGENCY
   (DARPA)
- MILITARY SERVICES AND FEDERAL AGENCIES



https://www.dla.mil/Information-Operations/Research-And-Development/

### **ONGOING EFFORTS**

- Integrated Manufacturing Readiness Logistics Support (IMRLS) tested the ability of DLA to rapidly make parts by converting 2D tech data to CAD and using a pricing engine to obtain instant quotes.
- Applied Market Intelligence for Defense Acquisition (AMIDA) is a DLA enterprise-wide effort; includes the continuous process of gathering, analyzing, and acting upon relevant industry, supplier and pricing data to improve spending strategies and business outcomes.
- Contract Quality Control (CQC) is conducting additional discovery, feasibility analysis, and solution prototyping to support requirements development for a data-driven system to manage the quality of DLA awarded contracts.