PREDICT, OPTIMIZE, RECOMMEND, AND TRACK FOR ADAPTIVE LOGISTICS (PORTAL)

THE PROBLEM

Modern military operations require agile and resilient logistics in contested environments. Traditional logistics systems struggle to integrate data from disparate sources across Army platforms, and the Army is interested in enhancing their capability to rapidly handle changing situations, disruptions, and adversarial actions. Data from logistics systems such as the JBCP and GCSS-A could be easier to understand and action if displayed in a more user-centric format. The solution should include technology that provides commanders with a comprehensive logistics awareness and decision-making tool that is easy to understand and accessible in a denied environment.

THE OPPORTUNITY

The Army wants companies to develop a predictive logistics software solution, to be used at the Brigade level and below, capable of operating in contested environments, providing real-time tracking, predictive analysis, and suggested Courses of Action (COAs) to optimize logistical flow and facilitate mission success.

AAL expects to award two companies with up to \$2 million each for an 18-month period of performance.

The tool should have the ability to:

- Track: Provide a real-time view of logistics assets, personnel, and supply chains. Create a COP, which clearly depicts inventory, vehicle status, and capabilities, while synchronizing efforts and providing commanders with accurate information.
- Predict: Anticipate potential disruptions. Forecast individual unit consumption to identify problems before they become emergencies. Automatically identify and alert when planned resupply operations are insufficient.
- Recommend: Generate optimized COAs for routes, resupply packages, resource allocation, and risk mitigation. Automatically plan resupply routes and packages to optimize equipment and personnel utilization.

Solutions to be considered will include, but are not limited to, the following capabilities:

- Operate in denied, disrupted, intermittent, and limited (DDIL) environments with low bandwidths.
- Ingest data from the JBCP, GCSS-Army, IPPS-A, and other inventory management system(s) such as SAP ERP.

IMPORTANT DATES

Applications Open: June 25 Applications Close: July 23 at 12:00PM ET

PROVIDE ARMY COMMANDERS WITH A COMPREHENSIVE LOGISTICS AWARENESS AND DECISION-MAKING TOOL.

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THE SPARTN PROGRAM

Special Program Awards for Required Technology Needs (SPARTN) blends government and industry best practices to introduce a new whole-of-Army, collaborative approach to solution innovation. The result is a way to solve Army problems faster and to accelerate the process by which successful technology is purchased by the Army.

All topics released through SPARTN feature challenging and important problem statements from problem owners across the Army. These represent some of our biggest challenges and the ones we want to work closely with industry to solve.



SPARTN Phases Explained

The objective of Phase I is to establish the technical merit, feasibility, and commercial potential of the proposed effort, and to determine the quality of performance of the awarded companies prior to providing further support in Phase II. Final deliverables will be a concept design presentation, optional proof of technology demonstration, and plans for follow-on Phase II work.

In Phase II, companies are selected for a period of performance to advance their technology into a working prototype with higher federal funding and, on certain projects, matched funds from private investment. Companies receive technical and programmatic feedback from Soldiers, DOD scientists, and engineers. Senior leadership provides guidance on how to move forward.

To make it to Phase III, companies must receive Program Executive Office (PEO) endorsement. Selected companies are then given more funding and the opportunity to continue developing their technology with the goal of transitioning it to an Army program of record.

AAL COHORT MODEL

Our cohort program brings together companies that may not typically work with the DOD and focuses them on solving a specific Army problem. They work side by side with Soldiers, a community of Army experts, and other stakeholders on a shared learning journey. While joining a cohort isn't required, it can provide a deeper level of insight to help refine your solution.

A Different Kind of Cohort

- + Hybrid program with virtual and in-person activities
- + Each cohort focuses on solving a specific SPARTN problem
- + Increased contact with Army stakeholders and Soldiers
- + Visits to military installations where you can see the problem firsthand

Visit aal.mil/cohort-program to learn more about the AAL cohort program and the benefits of participating.

WHAT MAKES SPARTN DIFFERENT?

- Problems released through SPARTN are tied to the Army's critical needs and other focused modernization efforts
- Faster contracting speed, with businesses typically notified of award 4x faster than the conventional SBIR process
- Potential for millions in total value of follow-on contracts to build a concept or prototype related to the specific problems
- Acquisition teams included early on, with the goal of easing transition and building new tech into recurring Army budgets
- Potential for future high-value contracts by combining SBIR or other government funds, and private investment you secure

To learn more about SPARTN or how to apply for SPARTN topics, visit aal.mil/SPARTN

