



## USTRANSCOM Science and Technology

### Advanced Planning for Global Response Force (GRF) Mission

**Project Summary:** This proposed project will create and leverage government owned analytical and visual tools to provide the joint warfighting planners the ability to plan a GRF mission to streamline the planning process, integrate aircraft load planning with sophisticated airdrop simulation to reduce time to assembly, reduce aircraft weapons engagement zone exposure time, and provide simulation and visualization for greater situational awareness. In addition, this mission planning tool will enable what-if scenario planning to include use for future airdrop system adds/mods such as future >60,000 pound airdrops systems and/or missions that may use multiple DZs around an objective for potential future GRF missions.



**Benefit:** Reduce by 75% the man hours expended to deploy forcible GRF packages worldwide within 96 hours of notification.

**Duration of project:** FY18-FY20

**Participants:** US Army RDECOM, Natick Soldier RD&E Center

**Project advocacy (funding or otherwise):** USTRANSCOM