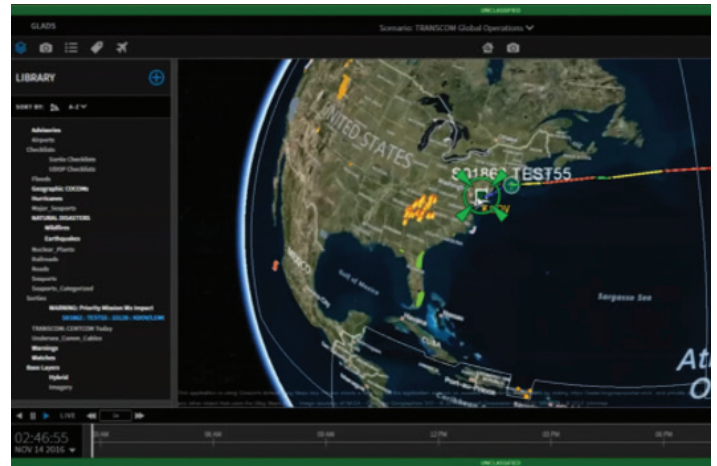# AMC Integrates AGI Software into User Defined Operating Picture (UDOP)

AGI Software Enables Cost-Effective Operating Picture

THE NEED: Collaboration between various commands is critical to the global mission of the Air Mobility Command (AMC). They require a solution that supports pre-mission planning, briefing, rehearsal, real-time, and debrief to provide an understanding of complex factors and COAs during exercises, training, simulation, and actual mission execution. This is known as the User Defined Operating Picture (UDOP).

THE KNOWLEDGE: Using AGI software, the Global Awareness Decision Support (GLADS) system integrates commercial off-the-shelf (COTS) software, government off-the-shelf (GOTS) services, and thousands of authoritative data sources. It can display airborne assets, weather, intelligence, satellite communications, and logistical support information—enabling all operational participants to have a greater global understanding of missions occurring anywhere in the world. AGI helped deliver a solution that fuses mission data sources for rapid and informed decision-making, improves dynamic re-tasking decisions, and expands the capability of flight managers to handle additional workload during a surge. The resulting solution—GLADS—provides the Tanker Airlift Control Center (TACC) with the ability for flight following to better understand missions in progress and pending tasks. It also reduces risk on delivering capabilities in re-planning and automated flight planning.

Using cost-effective and powerful AGI software, GLADS applies background analytics to the data within the UDOP to generate decision support functions and COA generation that results in a drastic reduction of decision turn-around time.

When the Air Mobility Command (AMC) required a collaboration solution to support all mission stages and provide a comprehensive User Defined Operating Picture (UDOP); they used cost-effective commercial off-the-shelf software from AGI to integrate multiple data sources and improve collaboration. The resulting Global Awareness Decision Support (GLADS) system supports global missions across multiple domains.

THE NET RESULT: GLADS provides real-time asset locations from multiple sources, high-fidelity flight-performance models, predictive warnings, and other messages. Users can collaborate through UDOP sharing, chat, sticky notes, and other means to allow each other to access weather conditions, intelligence reports, flight plans, satellite communications, and high-resolution imagery--as well as maps and terrain models. GLADS dramatically improves the collaboration required in support of global missions across multiple domains. This enables more-effective mission execution across operations centers by sharing authoritative data. GLADS has proven to be a cost-effective, immediate COTS/GOTS UDOP solution for any operations center.

AGI delivers mission-proven software for timely and cost-effective development and deployment of advanced space, defense and intelligence applications. AGI products are used for modeling, engineering and operations in the areas of space, cyberspace, aircraft, missile defense, C4ISR and electronic systems. They can be purchased as ready-to-use applications, development tools or turnkey solutions.