

ProLogic Develops Global Awareness Presentation Services for USSTRATCOM

AGI Software Provides Advanced Visualization Capabilities

A CHANGING INFORMATION LANDSCAPE: Web services are a vital asset in today's military environment—providing users across multiple networks up-to-date information for a true representation of the situational awareness picture. Global Awareness Presentation Services (GAPS) is an on-going research & development project developed by AGI business partner ProLogic for the United States Air Force Electronic Systems Center 653rd ELSW, USSTRATCOM, and the 8th Air Force.

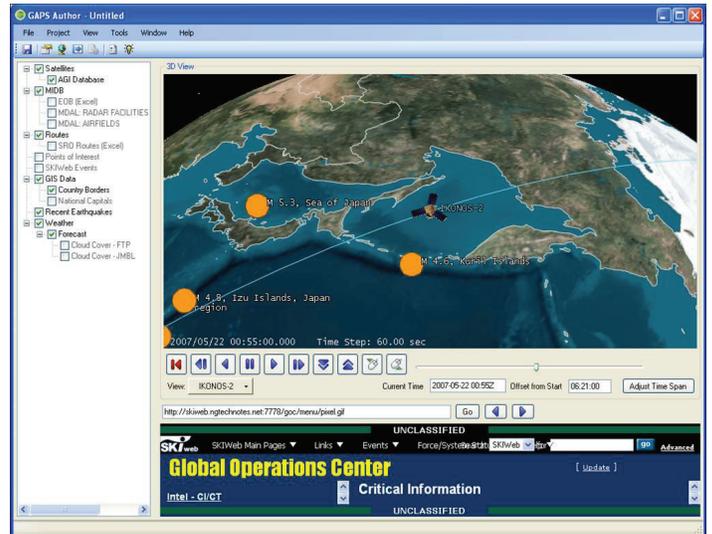
GAPS relies on AGI software to provide USSTRATCOM networks—including NIPRNET, SIPRNET and JWICS—with access to such varied data sources as weather, intelligence, satellites, geo-events, C2 assets, routes, ISR assets, air plans, and tracks.

A FULL SUITE OF SOLUTIONS: The GAPS team employed various AGI products for the project. The GAPS Author—based on Systems Tool Kit (STK) Components—develops and publishes Visual Data Format (VDF) scenarios to user communities with access to AGI's Viewer software.

The author dynamically pulls in data that users can hide, show, filter, and play back in 3D before they publish back to the GAPS repository as a JPEG, movie, KML or VDF.

“Our vision is a net-centric revolution. We hope that current and future programs will leverage this operational Web service.”

— JEREMY LOOMIS, PROLOGIC



ProLogic built their Global Awareness Presentation Services (GAPS) tool to provide visually fused situational awareness services for NIPRNET, SIPRNET, and JWICS operations for the USAF Electronic Systems Center 653rd ELSW, USSTRATCOM, and 8th Air Force. AGI software allowed them to create, visualize, augment, tailor, and share a User-Defined Operational Picture (UDOP) to organize disparate data sources. The tool allows users at USSTRATCOM and Barksdale AFB to evaluate mission-planning options or assess mission effectiveness for Force Status Events.

QUICK, EFFECTIVE RESULTS: The GAPS team—dubbed “Semper Fast” for its three-month capability-delivery cycles—has developed a system in which users can create, visualize, augment, tailor, and ultimately share a User-Defined Operational Picture (UDOP) capable of organizing disparate data sources in a distributed net-centric environment. AGI technology was critical to the endeavor, providing a virtual 3D globe that pulls the element of time into the UDOP for a true “four-dimensional story” of the operational picture.