

WHO

**SYSCOM:** NAVWAR

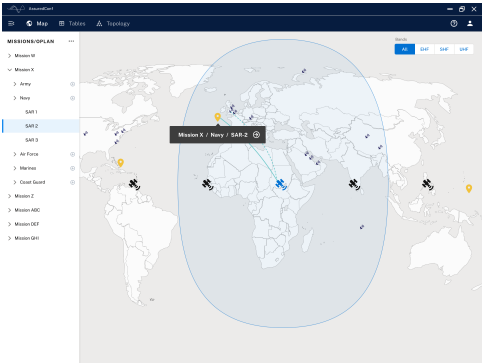
**Sponsoring Program:** NAVWAR, Program Executive Office Command, Control, Communications, Computers, and Intelligence (PEO C4I)

**Transition Target:** SATCOM Software Modernization

**TPOC:** (619) 524-2510

**Other Transition Opportunities:** SATCOM and other software configuration management. Bring modern capabilities to legacy systems.

**Notes:**



SATCOM Planner's Tool - Caliola 2022

WHAT

**Operational Need and Improvement:** The DoD is moving towards multi-domain operations which can be seen in the DoD C3 Modernization Strategy and the desire for Joint All-Domain Command and Control (JADC2). This new way forward is colliding with processes of the past. The practice of multiple authorities buying multiple satellite communications (SATCOM) products and services led to stove-piped, vertically integrated systems. There is virtually no ability for end-users to receive simultaneous operational benefits from multiple systems due to their disparities. The problem will only continue to intensify with the integration of additional commercial and military SATCOM services. It is also important to note these issues persist during a time when no major peer-on-peer conflicts are happening, and SATCOM systems are not degraded or strained for resources. To meet the challenges of 21st century, communication optimization systems need to be resilient, flexible, and manageable, and AssuredConf seeks to provide these.

**Specifications Required:** Ability to plan, coordinate and optimize SATCOM resources across all SATCOM bands. Create a standardized process for SATCOM resource validation across all COCOMS.

**Technology Developed:** Caliola has developed AssuredConf to allow SATCOM planners to see SATCOM resources across all bands and submit their Satellite Access Requests (SAR) to COCOMs for validation. This process is standardized for all users and allows institutional knowledge of past missions to be maintained.

**Warfighter Value:** Decrease time for SATCOM resource validation through standardization and automation. Allow SATCOM planners greater visibility into SATCOM requests and allow them to "War-Game" different scenarios.

WHEN

**Contract Number:** N68335-21-C-0358

**Ending on:** May 06, 2022

| Milestone              | Risk Level | Measure of Success                                                         | Ending TRL | Date         |
|------------------------|------------|----------------------------------------------------------------------------|------------|--------------|
| Software Demonstration | Medium     | Successfully automat SATCOM process for SARs with one band and one service | 5          | 1st QTR FY23 |

HOW

**Projected Business Model:** AssuredConf is software that can be used by COCOMs and their associated services to standardize and automate the SATCOM validation process across all SATCOM bands.

**Company Objectives:** Bring new capabilities to legacy systems.

**Potential Commercial Applications:** Commercial SATCOM optimization or brokering systems.