

Jacobs' Team Experience – Syzygy Technologies

C4I Test and Evaluation Support to SPAWAR, San Diego, CA

On this C4I test and Evaluation Support contract, Syzygy has specialized in providing integration, testing, network and infrastructure support to SSC-SD labs (MCCIS, METOC, COE, COE-M, NCC, GCCS-M, GCCS-I3, GCCS-J, AITS-JPO, and WebSked) and C4ISR systems. Syzygy employees have extensive experience in operating SSD-SD labs, in building complex operational tapes (GCCS-M, DII COE, and NCC), configuring interfaces, and delivering upgraded software for installation in remote command centers or deployed ships – including systems in Top Secret SCI spaces. They designed or re-configured the network infrastructure for the MCCIS, COE, and Network Centric Computing (NCC) labs. For the NCC project, Syzygy has tested thin client interface software, thin client devices, network topologies, and developed integration software to support prototype heterogeneous operating systems and database interfaces. Syzygy has a long record of evaluating Navy TDP processing and utilization of national intelligence data feeds. A significant portion of this contract tasking has included requirements analysis, software integration, and testing support for evolutionary upgrades to Navy and Joint intelligence tools, decision aids, and databases.

For the Code 242 GCCS-M and GCCS-I3 projects, Syzygy provided infrastructure support in both Lab 160 (functional testing lab) as well as Lab 350 (integration and development lab). Syzygy personnel are currently performing installations, network configuration, network security, workstation/PC maintenance, and database configuration in both labs. This work entails repeated configuring, loading, testing and operating GCCS-M variants, including GCCS-I3 segments, on HP, Sun, and Windows NT/2000/XP operating systems. Work has included:

- Installation, integration and configuration of DII COE and GCCS-M/GCCS-I3 segments hundreds of times, during extensive on-site, daily support to Code 242 test labs.
- Support to afloat units (USS Enterprise, USS Lincoln, USS Essex, USS Coronado, USS Kitty Hawk).
- Engineering support to major Navy shore sites for GCCS/GCCS-M on HP, Sun, and NT systems.
- Troubleshooting fleet user problems with GCCS-M upgrades to include database configuration.

Syzygy personnel have provided task planning, schedule development and hands-on analysis of C4I system requirements for SSC-SD programs (GCCS-M, GCCS-I3, WebSked, Naval Status of Forces (NSOF), MCISS, COE-M, and NCC). They participated in all upgrade and prototype software configuration management aspects including Configuration Control Boards, developer conferences, and STR resolution for multiple C4ISR systems. Syzygy provided extensive support to the GCCS-M 4.x Tiger Team, provided GCCS-M afloat support to 6 ships in the Amphibious Task Force East, USS Saipan Battle Group, and more recently to the USS Nimitz BG.

Syzygy has supported the NCS WebSked lab for over 2 years and provided testing, installation, and test documentation of the Domino server, of WebSked application software, and the interface of WebSked to the GCCS-M EMPDS segment. Syzygy employees have exceptional experience in both integrating fleet C4I scheduling applications, and in certification and testing of COE and GCCS-M, GCCS-J and GCCS-I3 communication and database upgrades. They also evaluated new software releases for compliance with the DISA COE specifications, Navy standards and best practices. Syzygy personnel also supported configuration management boards, version control, and tracking software trouble reports.

