

Telemetrix™ 505/508+ to Interface Navy SOCs to AFSCN

RT Logic announces that the Naval Satellite Operations Center (NAVSOC) has selected Telemetrix 505 and 508+ control center systems to interface the Navy's next generation of satellite operations centers (SOCs) to the Air Force Satellite Control Network (AFSCN). The NAVSOC Integrated Satellite Control System (ISCS) is being modernized to replace obsolete equipment and to create a highly autonomous and open architecture. NAVSOC controls a multi-mission satellite fleet including the UHF Follow-on (UFO) Fleetsat, GFO, and Polar satellite constellations.



Jerry Meleski, RT Logic's Director of Control Center Systems, said, "NAVSOC has a distinguished reputation for efficient, automatic, and economic and satellite operations. NAVSOC's progressive objectives for the ISCS Migration are perfectly met with our innovative products. We are pleased to have been selected for the ISCS Migration and we look forward to supporting NAVSOC's emerging satellite missions such as UFO 11, Polar 2/3, Coriolis, and MUOS."

The Telemetrix 505 (T505) and Telemetrix 508+ (T508+) units are to be installed at NAVSOC's Headquarters at Pt. Mugu and at the Detachment Delta Satellite Operations Center (SOC). A single string consists of a T505, KI-17, and a T508+ each equipped with support for two simultaneous satellite contacts. During a phase-in period, the equipment strings simultaneously interface to both NAVSOC's legacy Telemetry Tracking and Commanding (TT&C) system, and Harris Corporation's OS/COMET ISCS Migration TT&C system.

The T505 provides command formatting, time critical command processing, frame synchronization/time tagging, monitor and control (M&C) of the KI-17, a UFO spacecraft telemetry feed to an external interface, and serial control of OEM components such as NAVSOC's matrix switch. The T508+ provides M&C of the AFSCN Automated Remote Tracking Stations (ARTS), cipher text command and telemetry processing, antenna management, and an RGF Simulator. The T508+ ARTS antenna management capabilities are tasked by Harris Corporation's GC/Tool product and accept antenna pointing polynomials from Integral System's OASYS product.

NAVSOC is leveraging RT Logic's newest generation of Telemetrix software to integrate the T505/T508+ strings into their legacy and ISCS Migration systems. Telemetrix software is built upon CORBA middleware and delivers an open framework that simplifies the integration of third-party software. Telemetrix software offers multiple interface options. Both new and legacy ISCS applications will simultaneously interface to the T505 and T508+ through standard CORBA IDL interfaces and TCP/IP. Graphical User Interfaces (GUI) for the units will consist of both JAVA and custom application GUIs.

RT Logic is a leading provider of open architecture systems and products for satellite ground operations, satellite test activities, and launch vehicle/range telemetry acquisition. RT Logic's Telemetrix 70/70, and Telemetrix 106R complement the Telemetrix 505 and the Telemetrix 508+. For more information, please call (719) 598-2801, email: sales@rtlogic.com, or check out www.rtlogic.com.

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