

Vanguard (Cont'd from Page 1)

As a prime contractor, VRI provides Advisory and Assistance Services to the Joint National Test Facility (JNTF), with emphasis on modeling and simulation, test and evaluation, program support, wargames/exercises, and user interface definition. VRI, as a prime, also provides objective, expert, scientific assessments to the Chief Architect/Engineer through its Independent Science and Engineering Group (ISEG). These assessments of complex technological problems provide insight into the affect of sensors, weapons, technologies and phenomenologies on missile defense systems. As a subcontractor, VRI is a key member of both the Technology Readiness/Strategic Relations and the Theater Missile Defense Scientific, Engineering, and Technical Assistance (SETA) teams. VRI's participation on both of these initiatives covers the spectrum of Ballistic Missile Defense (BMD) activities including modeling and simulation; Ballistic Missile Command, Control & Communications (BM/C3); systems engineering; logistics and deployment planning; and program and contract management.

VRI has provided on-site support and technical continuity to the Government since 1984. They were an original teammate on the original Technical Engineering and Management Support (TEMS) Contract to the National Test Bed Joint Program Office. VRI won the follow-on contract as the prime contractor for the SETA Contract in 1990. As the incumbent contractor, they again won the follow-on contract, renamed National Test Facility Advisory and Assistance Service (NAAS), in 1995.

The NAAS role in the JNTF structure is to support the JNTF Government personnel in the performance of their mission. This ties in with the NAAS vision to "Remain a key partner with the JNTF-Government, the Research and Development Contractor (RDC), the Operations and Maintenance Contractor (OMC), and MITRE in the Ballistic Missile Defense of our country and its Armed Forces worldwide". The primary objective of the NAAS Contract is to provide technical, programmatic, and analytic assistance to all functional areas of the JNTF. VRI provides the JNTF Staff with expertise in the areas of wargaming; tenant support; finance; security; project management; all disciplines of engineering and testing; and program management. The company interfaces with their Government counterparts, on

a continuous basis, to achieve outstanding cost effective objectives and ensure the JNTF is a center of excellence for BMDO Modeling and Simulation, real time BMC3, and interoperability test and evaluation.

Since 1984 VRI has supported the United States Strategic Command (USSTRATCOM) and its predecessor, the Strategic Air Command. During the Cold War, they worked on strategic connectivity and the Single Integrated Operations Plan (SIOP). More recently, VRI is helping to modernize the Strategic War Planning System (SWPS) and are looking forward to making the SWPS a world class Joint Theater Support Capability with customized intelligence, adaptive tools, distributed command centers, modernized communications, and training/exercise support. They are also assisting in laying the groundwork for a Theater Planning Tool that Theater Commanders in Chief (CINCs) and other major planning organizations worldwide can use for rapid, secure, collaborative planning that reduces costs by using common Department of Defense (DoD) solutions and eliminating duplication of databases, application tools, and scarce resources.

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VRI supports war planning in several areas integral to the SWPS and, to a lesser extent, the Command Center (C2) and the Command Management Local Area Network (LAN). The company accomplishes

software engineering on workstations, mainframes, and personal computers. Their applicable software development expertise is in PowerBuilder, Cobol, and Fortran. VRI's primary projects are a lead role in analyzing and testing Year 2000 (Y2K) compliance and independent testing of software developed by the Government and other contractors; Quality Assurance (QA) including metrics and inspections; Software Configuration Management (CM); software documentation for two large conversion efforts from mainframe to UNIX workstations; software development and maintenance and database builds for the SIOP, including migration/conversion to the Enterprise Data Base; Modeling and Simulation with concentration on the Weapon Allocation Model (WAM), the Arsenal Exchange Model (AEM) and the Strategic Offense/Defense Model (SODSIM); and multi-media support. VRI has been instrumental in reducing wargame evaluation of the SIOP from 10 months to 3 months, producing the Red Integrated Strategic Offensive Plan (RISOP), inaugurating

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