

"THEATER HIGH ALTITUDE AREA AIR DEFENSE (THAAD) PROJECT OFFICE BMC2 PRODUCT OFFICE
HARDWARE & ENGINEERING SUPPORT" STATEMENT OF WORK (SOW)

1.0 BM/C2 Hardware Support: The Contractor shall provide technical and engineering support to the THAAD BM/C2 Hardware Integrated Product Team (IPT), and to the Voice, Data Communications, Shelter, Networking, Radio, Fiber Optic, Power, and Testbed Sub-IPTs. This support shall encompass hardware performance and design trades, test and integration support, requirements analysis, documentation review and development, support to reviews and working groups, and the provision of specialized Subject Matter Expertise (SME). The contractor shall provide technical support to evaluate prime contractor compliance with program requirements, produce technical briefings for presentation of evaluation results, that contribute to Program milestones, and perform special analysis requirements as directed.

1.1 The contractor shall conduct studies, analysis and modeling and simulation to support definition, verification, and development of the BM/C2 hardware suite (i.e., TOC, SSI and SSG) and related specification suite; to include the rack mounted test beds and BSITES to be located at LMSSC, SIL, IV&V, and SED. This analysis effort shall encompass weight, volume, and layout, trades, specialty engineering analyses (e.g., RAM, Safety, Security,

Logistics, HFE, EMI/EMC/HEMP, power, and environmental control), evaluation of hardware items and LAN topologies, analysis to support selection of Block 06 and 12 hardware.

1.2 The contractor shall provide test and integration support. Test support shall include test planning; test execution; data collection, reduction, and analysis; test reporting for EMD Shelter / SSG design validation testing, interface/integrations testing, TOS/LCS shelter testing, and JITC testing. Integration support shall encompass test bed and tactical shelter integration, implementation of GPS, DAMA, and CNR implementation and into testbeds and tactical specifications, and evaluation/tests as required supporting a potential integration of the Joint and Army program upgrades (e.g., Hybrid Electric – High Mobility Multipurpose Wheeled Vehicle (HE-HMMWV), Common Hardware/Software – (CHS 3), Warefighters Information Network – Terrestrial (WIN-T), and/or Joint Tactical Radio System (JTRS)) into THAAD.

1.3 The contractor shall maintain the capability to provide recognized experts to support Red Teams and Tiger Teams; conduct document reviews, conduct specialized analyses as required to define and validate requirements for external agency support (e.g., PM-CHS, PM TRCS, PM JTT, SIGCEN, TPWIG, WIN-T, USAADASCH.

PERIOD OF PERFORMANCE: 24 APR 02 – 31 OCT 05

