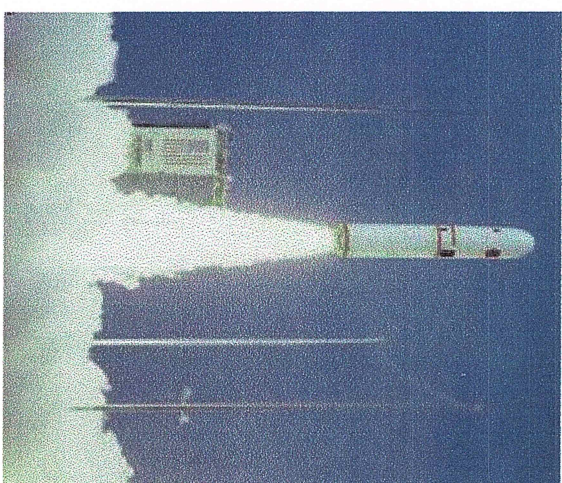# MOUNTAIN STATE
INFORMATION SYSTEMS, INC.

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MSIS Previous Effort

SOFTWARE AND SYSTEM SECURITY

MSIS personnel analyzed the Submarine Launched Ballistic Missile (SLBM) Fire Control System (FCS) software to determine its vulnerability to software sabotage. This included performing research into software security methodologies, development of new methodologies for analyzing vulnerabilities, and development of prototype computer programs to detect illicit code. MSIS personnel also developed a methodology for performing a

risk assessment and vulnerability analysis called "workflow," and had this published in IEEE proceedings.

MSIS personnel developed training materials on software and system security and presented papers at national conferences. MSIS personnel developed and presented a three-day seminar "Causes and Prevention of Software/Firmware Sabotage."

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