

**USAMMDA INFORMATION PAPER**

**PRODUCT:** NEXUS IV DELIVERY SYSTEM

**DESCRIPTION:** The Nexus IV Delivery System (NIVDS) is an intravenous (IV) infusion delivery system, which accurately dispenses precise amounts of fluids. Once set, the infusion rate will be maintained regardless of pressure differentials or patient changes. This initiative will reduce the Department of Defense's Operation and Support costs by reducing supply and inventory costs for electronic infusion pumps and their consumables.

**PROGRAM RELEVANCE to the ARMY:** This product supports both the core mission of the Army and the Army Campaign Plan. Of the Army's core competencies, this product supports "Forcible Entry Operations," "Sustained Land Dominance," and "Support Civil Authorities." While this system may not represent an improvement in capacity to save a soldier's life, its downstream effects contribute to a greater level of Force Health Protection for all soldiers. The NIVDS reduces the number of costly electronic systems required to sustain an IV pathway, thereby reducing the operations and support cost of medical consumables associated with IVs. The funds differential between the traditional IV configuration and the NIVDS may be used in other critical medical arenas, thereby, allowing the provision of a greater level of Force Health Protection. This product supports Future Operational Capabilities: MD-02-001 Clearing the Battlefield, MD-02-002 Hospitalization, MD-02-003 Medical Force Protection, and MD-02-004 Combat Health Logistics.

**ISSUES/ACTIONS:**

- Development of this product is to be completed by March 2005. If Food and Drug Administration (FDA) 510(k) approval and satisfactory device operation is not completed by this date, the government is not obligated to procure the NIVDS.

**ADDITIONAL INFORMATION:**

**BPL #** 446

**DA PROJECT/TASK:** Trauma Management –  
PE/PROJ 778045/6R5

**MAMP RANK:** Not Ranked

**ARMY ORD:** Not required. This proposal was selected and funded under the U.S. Army Materiel Command's COSSI program.

**SCHEDULE:**

Product Design Review	1QFY04
FDA 510(k) Approval	3QFY05
Production	3QFY05

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