

**USAMMDA INFORMATION PAPER****PRODUCT:** SPECIAL MEDICAL EMERGENCY EVACUATION DEVICE

**DESCRIPTION:** The Special Medical Emergency Evacuation Device (SMEED) is a lightweight platform designed to quickly attach to a North Atlantic Treaty Organization litter. It was designed by SSG Eric Smeed, while stationed at the U.S. Army Institute of Surgical Research (USAISR) for medical evacuation of patients. The device is usually mounted over the feet of the patient, although it can be attached anywhere along the length of the litter. The platform has various universal fasteners so that it can be configured in several ways, depending on the mission. It is specifically designed to accommodate all of the Patient Movement Items in the Army inventory to include vital signs monitor, infusion pump, aspirator, D-cylinder oxygen tank, ventilator, defibrillator, and the flexibility to mount other medical devices as required.

**PROGRAM RELEVANCE to the ARMY:** This product supports both the core mission of the Army and the Army Campaign Plan. This lightweight modular system is important in emergency casualty care and rapid evacuation. The device has been demonstrated to various users, and is being well received, by several military Services. This product supports the following Army Future Operational Capabilities: MD-02-001 Clearing the battlefield and MD-02-004 Combat Health Logistics.

**ISSUES/ACTIONS:**

- Responding to an urgent request from the Commander of the 28th Combat Support Hospital (CSH) in Baghdad, 10 SMEEDS were delivered by Impact Instrumentation Inc. directly to the 28<sup>th</sup> CSH.
- Requests from Combat Medical Teams (CMTs) in the theaters of operations have prompted the Aviation and Missile Command (AMCOM) to expedite a restricted Airworthiness Release (AWR). At the same time, a parallel path of structural analysis will continue to attain an unrestricted AWR.
- The Army combat developer has identified the SMEED as a Patient Movement Item, for use by the Forward Surgical Teams, and to be included in Medical Equipment Sets. It has been assigned a National Stock Number #653 001 500 1989.
- There are currently several SMEED platforms on loan by the U.S. Army Medical Materiel Development Activity through the USAISR to trainers and users for evaluation.
- The SMEED has received a Fleet-wide AWR from the Air Force.
- The Air Force has procured 100 SMEEDS, which are now deployed. In addition, the Marines have procured and deployed 75 SMEEDS. There is interest by other military groups, including the Special Operations Forces, the Coast Guard, and various air rescue groups.
- Licensure of the SMEED to Impact Instrumentation Inc. is complete.

**ADDITIONAL INFORMATION:****BPL #** 430**DA PROJECT/TASK:** Trauma Management –  
PE/PROJ 643807/836JU**MAMP RANK:** Not Ranked**ARMY ORD:** Not Required**SCHEDULE:**Licensure 4QFY02  
Army AWR TBD**For additional information, contact:** Applied Medical Systems, DSN 343-7582, Comm. 301-619-7582