

URGENT

MWO effective date 31 August 2003 and completion date 30 August 2005

MWO 10-1670-269-55-1

MODIFICATION WORK ORDER

MODIFICATION OF THE MODIFIED IMPROVED RESERVE PARACHUTE SYSTEM (MIRPS)

NSN: 1670-01-420-4256 (EIC: N/A)

Headquarters, Department of the Army, Washington, D.C.

31 August 2003

REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this MWO. If you find any mistakes or if you know of a way to improve these procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Commander, US Army Soldier and Biological Chemical Command (SBCCOM), ATTN: AMSSB-RIM-L (N), Kansas St, Natick, MA 01760-5052. A reply will be provided to you.

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

1. PURPOSE. The Modified Improved Reserve Parachute System – Soft Loop Center Pull (MIRPS-SLCP) is an engineering enhancement to the currently fielded MIRPS pack tray (and ripcord assembly). This enhancement eliminates the potential for cone-lock, while also providing added ripcord protection. The MIRPS-SCLP enhancement was designed and tested as a retrofit to the current MIRPS pack tray and ripcord assembly.

Pictured in Figures 1 and 2 below, the MIRPS-SLCP enhancement eliminates the metal locking cones and cone mating hardware employed on the standard MIRPS pack tray and replaces them with standardized grommets and soft closing loops (similar to those used in Military Free Fall parachute systems). Additionally, a center pull ripcord handle replaces the standard side pull ripcord handle. The center pull ripcord handle incorporates two separated ripcord cables and pins to independently engage each respective soft loop. A textile (elastomer) ripcord pocket is installed on the top flap of the pack tray that ends up covered by the inspection flap when the flap is closed.

Retrofit of the current MIRPS pack tray to incorporate the MIRPS-SLCP enhancement is a relatively simple process wherein several components (e.g., metal locking cones, pack fasteners, etc.) are removed from the current MIRPS pack tray and new MIRPS-SLCP components are installed. The center pull ripcord handle is made from modifying the current side pull ripcord grip handle.



2. PRIORITY. This modification is classified as URGENT.

a. Equipment in Use. All MIRPS Pack Trays will be modified and completed no later than the scheduled completion date. MIRPS Pack Trays not modified after the expiration of the MWO completion date will be reported as Non Mission Capable (NMC), in accordance with applicable Army regulations. The MWO will be applied to unserviceable assets awaiting scheduled Organizational Maintenance providing the scheduled repair restores the MIRPS Pack Trays back to a Fully Mission Capable (FMC) status.

b. Equipment in Wholesale Depot Supply or Maintenance Activities. The MWO will be applied to serviceable MIRPS Pack Trays prior to issue and/or subsequent to the scheduled completion date.

3. END ITEM(S) OR SYSTEM(S) TO BE MODIFIED. This modification applies to all MIRPS.