Chemical and Biological Protective Shelter

CBPS-M8E1

Description

The Chemical and Biological Protective Shelter M8E1 (CBPS-M8E1) is a mobile, self-contained, rapidly deployable, chemically and biologically protected shelter that provides a contamination-free, environmentally-controlled medical treatment area for U.S. Army Echelon I and II medical units.

Key components include: 400 ft² Chemical, Biological, and Radiological (CBR) protected, decontaminable, air beam supported fabric shelter allows for rapid deployment and strike. Maintains internal temperature of 60º F to 90º F in environments from -40º F to +125º F.
Onboard primary and fully redundant auxiliary power for uninterrupted power during CBR medical operations. Integration onto M1085 Medium Tactical Vehicle (MTV) provides capability to carry the complete Medical Equipment Set - Field Trauma. Armor equipped M1085A1P2 MTV variants (when equipped) provide crew protection during mobile/convoy operations. Provides 400 CFM of CBR filtered air to maintain the Toxic Free Area (TFA).

Mission

Provide medical personnel with a collective protection capability to perform their mission in a TFA without the encumbrance of individual protective equipment in the forward battle area.

Capabilities

- Deployable in Treatment Team, Forward Surgical Team, and Divisional Clearing Station configurations to support a variety of medical missions
- Transportable by land, air, and sea
- Allows for entry and exit of decontaminated patients during a CBR event
- Sustained medical operations in a CBR Threat environment for up to 72 hours

Users

US Army

Status

Production and Deployment

This Fact Sheet was cleared for public release on 6/20/2016.
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