

Chemical Biological Protective Shelter (CBPS) M8E1

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

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

DESCRIPTION

The Chemical Biological Protective Shelter (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 medical units. CBPS provides the operating crew with a Chemical, Biological and Radiological (CBR) protected Toxic Free Area (TFA) to execute their mission without the encumbrance of individual protective clothing/equipment. The 400 square foot CBR protected, decontaminable, air beam supported fabric shelter allows for rapid deployment and strike. It maintains an internal temperature of 60° F to 90° F in environments from 40° F to +125° F. It includes onboard primary and fully redundant

auxiliary power for uninterrupted power during CBR medical operations. Armor equipped M1085A1R2 prime-mover provides crew protection during mobile/convoy operations. It provides 400 cubic-feet-per-minute of CBR-filtered air to maintain the TFA. CBPS will be assigned to trauma treatment teams/squads of maneuver battalions, medical companies of forward and division support battalions, nondivisional medical treatment teams/squads, division and corps medical companies, and forward surgical teams and can provide a dual-use medical capability for homeland defense.

SYSTEM INTERDEPENDENCIES

In this Publication

Family of Medium Tactical Vehicles (FMTV), Single Channel Ground and Airborne Radio System (SINCGARS), Joint Chemical Agent Detector (JCAD)

Other Major Interdependencies

The shelter system is integrated onto an armored MTV.

PROGRAM STATUS

- **1QFY12-4QFY12:** First Article Testing (FAT)

PROJECTED ACTIVITIES

- **2QFY13:** Type Classification/ Materiel Release (TC/MR) Decision
- **2QFY14:** Full-rate production

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

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FOREIGN MILITARY SALES

None

CONTRACTORS

Smiths Detection, Inc. (Edgewood, MD)

