

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 and Biological Protective Shelter (CBPS) 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. Key components include: 400-square-foot CBR protected, decontaminable, air beam-supported fabric shelter that allows for rapid deployable and strike; maintained internal temperature of 60° F to 90° F in environments from 40° F to +125° F; and 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. 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)

Other Major Interdependencies

The shelter system is integrated onto an armored MTV

PROGRAM STATUS

- 1-2QFY11: First Article Testing (FAT)
- 2QFY11: Follow-on Operational Testing (FOT)

PROJECTED ACTIVITIES

- 1QFY12: Production
- 2QFY12: Type classification/Materiel Release (TC/MR)

ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support



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FOREIGN MILITARY SALES

None

CONTRACTORS

Smiths Detection Inc. (Edgewood, MD)

