

Chemical Biological Protective Shelter (CBPS)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

Enables medical personnel to treat casualties without the encumbrance of individual protective clothing and equipment in a highly mobile, easy-to-use, and self-contained chemical-biological (CB) hardened facility.

DESCRIPTION

The Chemical Biological Protective Shelter (CBPS) is a highly mobile, self-contained system designed to replace the M51 Collective Protection Shelter and the currently fielded un-armored CBPS HMMWV variant. CBPS consists of a Lightweight Multipurpose Shelter (LMS) mounted on an armored M1085A1 Medium Tactical Vehicle (MTV) and a 400-square-foot, airbeam-supported soft shelter. CBPS provides a contamination-free, environmentally controlled working area for medical personnel to obtain relief from the need to wear CB protective clothing for 72 hours of operation.

All ancillary equipment required to provide protection, except the generator, is mounted within the shelter. Medical equipment and crew gear are transported inside the LMS.

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.

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

- 2-4QFY10 First article testing

PROJECTED ACTIVITIES

- 2QFY11: Follow-on test and evaluation
- 3QFY11: Production and fielding

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Chemical Biological Protective Shelter (CBPS)

FOREIGN MILITARY SALES

None

CONTRACTORS

Smiths Detection, Inc. (Edgewood, MD)

