



Chemically and Biologically Protected Shelter System (CBPSS)

Overview:

The **Chemically and Biologically Protected Shelter System (CBPSS)** provides a highly mobile, contamination free, environmentally controlled work area for forward deployed medical treatment units. It will be fielded to Treatment Squads, Forward Surgical Teams, and Medical Companies to provide medical treatment in a CB contaminated environment.

Description:

CBPSS is a replacement for the M51 Chemically Protected Shelter. It consists of a dedicated M1113 HMMWV vehicle, a Lightweight Multipurpose Shelter (LMS) mounted on the back of the HMMWV, a 300 ft² semi-cylindrical airbeam-supported soft shelter, and a towed High Mobility Trailer with 10kW Tactical Quiet Generator (TQG) for auxiliary power. Four soldiers operate the CBPSS; during transport, two ride in the HMMWV and two in the LMS. Soldier's gear and required medical equipment will be stored in the LMS or on the trailer. The inflatable shelter is rolled and carried on the rear of the LMS during transport. The CBPSS can be inflated in 4 minutes and can be made fully operational in less than 20 minutes with four personnel. All power required to support operations of the system is provided by the HMMWV engine via an underhood hydraulic pump, or from the auxiliary 10kW TQG. A hydraulically-powered Environmental Support System mounted on the front of the LMS provides heating, cooling, airbeam inflation, CB filtration, and ventilation air. Multiple CBPSS systems can be complexed, and two colors are available, green and tan.



Status:

A Limited Production contract was awarded in Jan 99 for 113 CBPSS with deliveries starting in Jun 00. Reliability and Maintainability (RAM) testing was conducted in Aug 00, followed by Limited User Testing and Evaluation (LUTE) in Nov 00 for Treatment Squads. Initial fielding is planned for Oct 02 to Treatment Squads. A LUTE will be conducted in Apr 02 to validate use in Forward Surgical Teams and Medical Companies. Full production is scheduled to initiate in Mar 02.

Point of Contact:

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