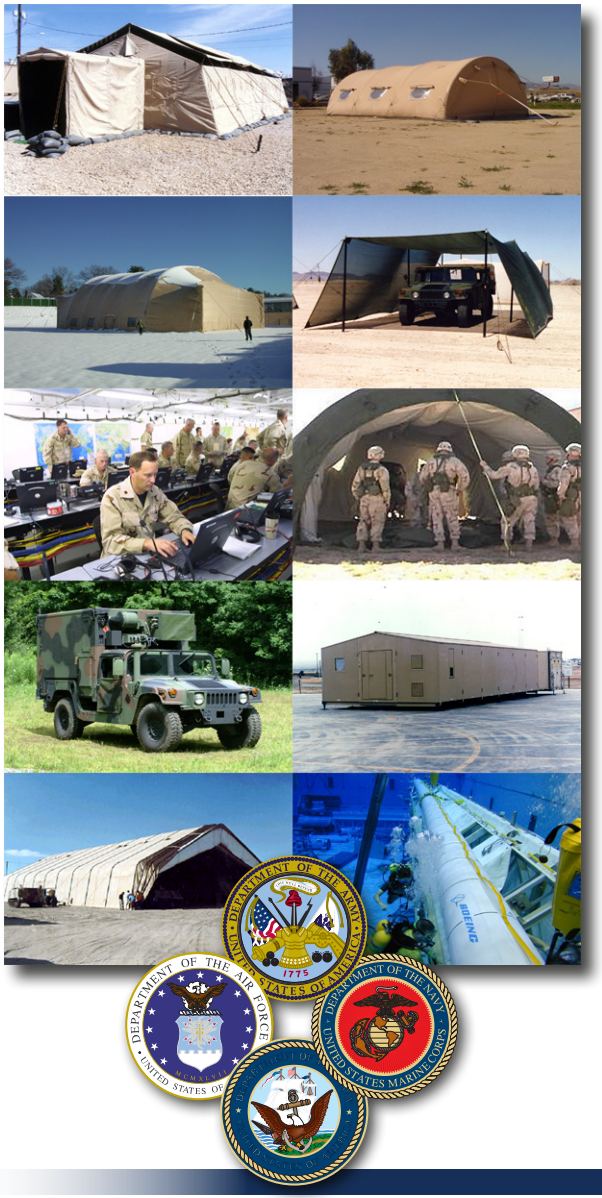
JOINT COMMITTEE ON TACTICAL SHELTERS (JOCOTAS)

Prevents the duplication of tactical shelter research and development. JOCOTAS eliminates the proliferation of non-standard tactical shelters in the DoD inventory and maximizes the usage of DoD Standard Family of Tactical Shelters.



RDECOM

EXPEDITIONARY BASING & COLLECTIVE PROTECTION

Sheltering Warfighters Worldwide

US ARMY NSRDEC
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TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

UNCLASSIFIED

SHELTERING WARFIGHTERS WORLDWIDE

MISSION

To provide shelter systems for Soldiers in all types of environments. The focus is on providing several shelter systems that will satisfy an abundance of purposes. All teams work with the PM Force Sustainment Systems Office as well as external customers for the development and fielding of shelter systems.

VISION

To develop concepts and technologies by providing technical management and engineering support for the Army, Department of Defense, industry, academia and foreign governments. Conduct basic and applied research and technology development and demonstration as well as engineering support, dealing with soft, hybrid, and rigid wall mobile/ tactical shelters, including tactical command post systems, Chem/Bio protected mobile shelter systems, and camouflage concealment and detection technology for mobile shelters.

COMPOSITE STRUCTURES TEAM

Designs, engineers, and fabricates rigid and semi-rigid wall shelter systems for unique customer applications. Various levels of threat protection are provided to oppose the effects of electromagnetic interference, electromagnetic pulse, chemical and biological threats and ballistic fragmentation.

FABRIC STRUCTURES TEAM

Develops technology to advance the state-of-the-art in soft-wall shelters to include chemical, biological, radiological, nuclear (CBRN) collective protection, flexible photovoltaics, high efficiency insulation, flexible lighting and ballistic protection. Structural airbeam technologies have been developed and incorporated into rapidly-deployable shelters, and is being adapted to other applications such as fenders for ships. Analytical models and test protocols and devices for airbeam design and analysis have also been developed.

COLLECTIVE PROTECTION SYSTEMS TEAM

Provides survivable, mobile shelter systems, including both soft wall and rigid wall shelters to military and government customers. These systems protect against chemical, biological, radiological particles, and other threats.

CENTER OF EXCELLENCE FOR INFLATABLE COMPOSITE STRUCTURES TEAM

Manages a textile braiding and weaving technology that is three dimensional and lightweight. The load bearing members or support beams are created when high strength fibers are formed into tubular structures that take predetermined shapes when filled with high pressure air or fluids. These beams weigh 66% less and take 25% less space than that of the conventional metal structures. They also cut deployment time by 60%.