



TENTAGE AND ADVANCED COVER PROTOTYPE FACILITY | Shelters Technology, Engineering & Fabrication Directorate (STefd)

OVERVIEW:

The Tentage and Advanced Cover Prototype Facility couples the knowledge of fabrics, non-wovens, high performance insulations, flexible photovoltaics, closures, stealth and barrier materials with cutting-edge design and modeling capabilities.

DESCRIPTION:

The facility maintains a large stock of in-house fabrics, closures and hardware to reduce lead times and also maintains extensive contact with Defense Supply Center Philadelphia as well as the DOD shelter industrial base to obtain MILSPEC components.

The facility boasts access to in-house fabric and Instron® testing, full-scale Rain Room and Environmental Chambers for evaluation of materials and components, and a knowledgeable field support team to train users or set up shelter systems in remote locations.

The Tentage and Advanced Cover Prototype Facility is composed of well-trained professionals with extensive experience, complemented by a large range of medium and heavy duty sewing machines, ultra sonic heat sealing and cutting, thermal hot air and hot wedge heat sealing, and tape sealing and mobile track sealers. Fabrication efforts are augmented with AutoCAD® capabilities to provide Level I documentation of designs and ability to guide in-house Task Order Contracting service to document designs at Level III.

There are three main focus areas:

- **Design and fabrication of tentage prototypes and supporting fabric accessories**, such as command posts, advanced solar covers and low profile/reduced signature individual surveillance shelters.
- **Small production run capabilities**, including refurbishment of field tentage and accessories such as passageways, insulated water bag containers, and shower and laundry transition endwalls and bootwalls.
- **Global war on Terrorism programs** to include chemical and biological protected shelter systems, liners, transition assemblies, airlocks and specialized fastening/sealing accessories.

POINT OF CONTACT:

STefd Liaison

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RECENT PROJECTS INCLUDE:

Chemically Hardened Air Transportable Hospital (CHATH); AMEDD Shelter System; Colpro Liner (A2S); ILSC Reset Bootwalls; Force Provider Containerized Batch Laundry (CBL) Upgrade; 16x16 Command Post; SOF PV arrays.



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TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.