



# **Product Director Transportable Collective Protection Systems (TCPS)**

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# Agenda

- **Mission**
- **Product Director Objectives**
- **Capabilities & Resources**
- **Challenges**
- **Technical Objectives**
- **Current Activities**
- **Summary**
- **Contact information**



# Product Director - Transportable Collective Protection Systems (TCPS)

## Mission:

- Serve as the Joint Program Manager for Collective Protection's focal point for providing overall direction and guidance for research, design, development, testing, procurement, fielding, and provide life cycle oversight for Collective Protection equipment and systems for Transportable Platforms that provide contamination free areas to protect personnel and equipment against Chemical, Biological, Radiological, and Toxic Industrial Material threats.





# Product Director, Transportable Collective Protection Systems (TCPS)

- Objectives:

- Identify non-CB Defense programs with ColPro requirements and familiarize them with the JPM-CP mission and the role of the PD-TCPS
- Establish collaborative relationships with non-CBDP programs including MOAs/MOUs where appropriate
- Develop a database of non-CBPD ColPro requirements
- Communicate requirements to Joint Requirements Office and Joint Science & Technology Office as appropriate
- Coordinate with JPEO-CBD Future Acquisition Directorate
- Establish a database of foreign Transportable ColPro applications/equipment/systems
- Serve as the technical point of contact for TCPS Programs of Record



# PD-TCPS

## Capabilities & Resources

- Located at US Army Natick Soldier RD&E Center, Natick, MA (RDECOM)
  - Co-located with PM-Force Sustainment Systems
- Extensive experience in ColPro systems design and integration in both rigid and soft-wall shelters
  - Currently providing engineering support to JECP, CBPS and CPDEPMEDS
  - Principal Investigators on ColPro S&T efforts
  - ColPro Technology Readiness Evaluation
  - Joint Committee on Tactical Shelters (JOCOTAS)
  - ColPro Project Arrangement with the UK



# Transportable Systems – Unique Challenges

- **CHALLENGE:** Standardizing ColPro in a non-standard systems environment
  - Proliferation of a variety of commercial shelters
    - No regulations for the standardization of tents & general purpose shelters within DoD
    - Shelter acquisition is largely left to the warfighting community
    - Commercial shelters now being procured by DLA to meet user demand
  - PM-Force Sustainment Systems, JOCOTAS & DLA are working to establish a COTS evaluation program
  - Some shelter manufacturers are including ColPro capabilities with their systems



# TCPS Technical Objectives

- Rapidly establish an effective protection posture with minimal labor
- Protection capability inherent in shelter design/materials
- Optimized Ingress/Egress of Personnel and Supplies without Compromising Protection
- Protection against Toxic Industrial Materials
- Minimal Power Requirement, Weight & Cube
- Bottom Line:
  - Effective Protection
  - Minimal Logistics Burden
  - Minimal Impact on Mission



# PD-TCPS Current Activities

- Establishing working relationships with non-CBDP programs to understand their ColPro requirements and develop a strategy to meet those requirements



## Force Provider

## Future Medical Shelter System







## PD-TCPS Current Activities

- Working with the Mine Safety & Health Administration, U.S. Department of Labor
  - MS&HA is developing regulatory requirements for refuge chambers
  - Investigating applicability of DoD ColPro requirements and test standards & methodologies
- Developing a database of existing transportable systems and their current ColPro requirements and capabilities
- Identifying data/capability gaps



# Summary

- PD-TCPS has extensive resources and capabilities regarding transportable ColPro applications
- Will work with:
  - user community to identify current and future requirements
  - JPEO-Future Acquisition Directorate to translate requirements into acquisition programs
  - S&T community to ensure future requirements are addressed
- Ready to provide assistance to PM's and other system developers in all phases of the life cycle



# Contact Information

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