



# Advanced Planning Briefing to Industry Joint Service CBR Defense COLLECTIVE PROTECTION



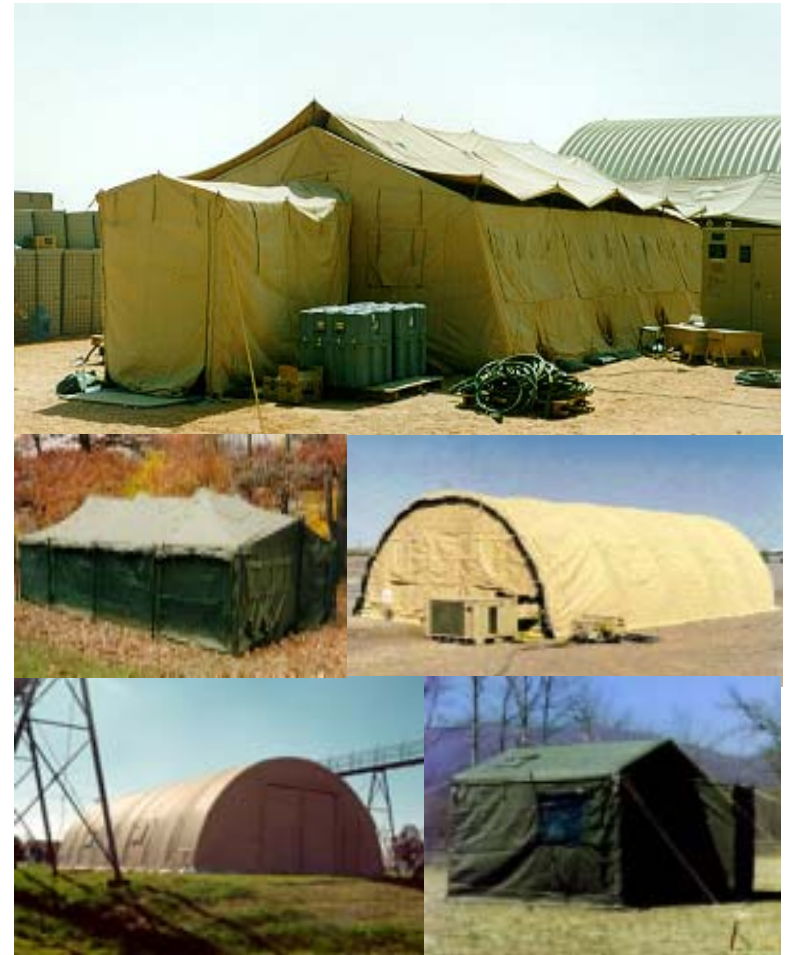
**Mr. Stan Enatsky**  
**Joint Program Manger for**  
**Collective Protection**

**Naval Sea Systems Command (202) 781-3741**



# Topics

- Introduction
- Objectives
- Active Programs
- ColPro Needs
- Industrial Opportunity
- Summary Goals
- Points of Contact



# Introduction

## What is Collective Protection (ColPro)?

- **Protection to mission essential resources afforded to enclosed areas/zones allowing a force structure to operate safely, at near-normal levels while in a CBRN environment.**
  
- **Essential resources include existing and future**
  - **mobile assets (vehicles, ships, aircraft)**
  - **transportable assets (tents)**
  - **fixed facilities (buildings)**



# ColPro Functions

- **Control of an area/zonal environment to:**
  - Prevent infiltration of CBRN hazards
  - Provide supply of clean, breathable air
  - Allow ingress/egress without compromising the protected area/zone
- **Typical applications**
  - Command/control areas
  - Medical areas
  - Rest/relief areas



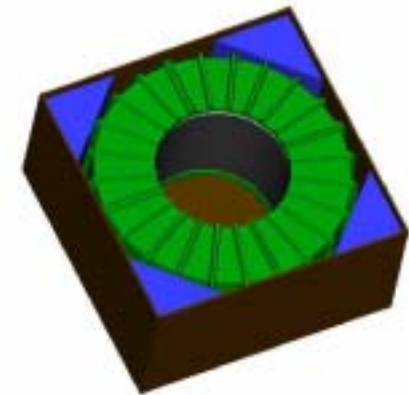
## Objectives - Near Term

- **ColPro Capability sets for existing, non-hardened shelters**
  - Fixed site
  - Transportable
- **Rapid insertion of new, proven technologies to existing equipment**
  - Reduce costs and logistics
  - Improve manufacturing and performance
- **Integrate ColPro into Service platforms**
  - Aircraft                      -- Land Mobile
  - Shipboard                    -- Buildings



## Objectives - Far Term

- **Integrate ColPro into future platforms**
  - Aircraft      -- Land Mobile      -- Soft Shelters
  - Shipboard      -- Buildings
- **Field advanced technologies**
  - New materials for shelter systems
  - Novel filtration/abatement systems
  - Protection against future hazards & TIC/TIM
- **Standardized ColPro equipment across Services and platforms**





# Active ColPro Programs

- Chem/Bio Protective Shelter
- Joint Collective Protection Equipment
- Amphibious Ship ColPro Backfit



# Chem/Bio Protective Shelter

- ColPro for forward-deployed medical treatment squads, companies and surgical teams
- Highly mobile, rapidly deployable via air, rail, or sea
- HMMWV with lightweight shelter, trailer, airbeam supported CB shelter, environmental control unit & generator





# Joint ColPro Equipment

- **Product improvement program providing ColPro hardening and improvements to fielded ColPro and soft-shelter systems**
- **Equipment modifications aimed to resolve performance deficiencies & reduce logistic burdens**
- **Seek cost saving by standardizing equipment across Service and platform lines, as far as practicable**



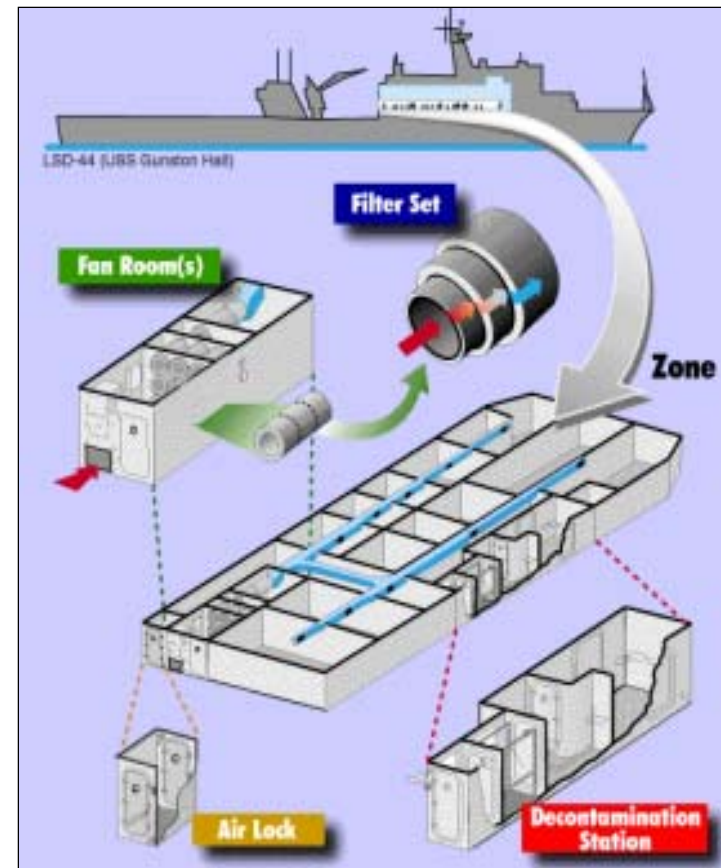
MGPTS



200 CFM filter set

# Amphib Ship ColPro Backfit

- Expand ColPro to high-value ship platforms to increase their utility to the combatant cmds
- Target platforms: Amphibious ships with Helicopter, Assault, & Medical missions (LHA, LHD & LSD ship classes)
- ColPro shipboard applications:
  - Medical Complex/Hospital Spaces
  - Command/Control Spaces
  - Casualty Decon Station
  - Rest/Relief Spaces



## ColPro Needs

- Novel abatement approach for CB agents and toxic industrial chemicals
  - Filter
  - Destroy
  - Neutralize
- Shelter materials with inherent CBR protection
- Improved ingress/egress subsystems to include non-ambulatory patients
- Affordable ColPro concepts for fixed structures



# Industrial Opportunity

- Chem/Bio Protective Shelter
  - FY06 competitive contract
  - Approx. 200 systems
  - Contract value at \$70M
  - Scope:
    - **Procure rigid shelters, soft-shelters, ECUs, trailers**
    - **Integrate sub-systems with GFE HMMWV, power supply, & CBR filters**



## Summary Goals

- ColPro Systems become a seamless subsystem of environmental control (HVAC) systems for all platforms - vehicles, air frames, ships, shelters, & buildings.
- ColPro becomes an inherent characteristic of soft-shelter materials, eliminating the need for fielding/stocking redundant soft-shelter systems.



## ColPro Points of Contact

- ColPro Joint Program Manager
  - Stan Enatsky, 202-781-3741
- ColPro Joint Deputy Program Manager
  - Mike Abaie, 540-653-2719
- Chem/Bio Protective Shelter
  - Andra Kirsteins, 508-233-5258
- Joint Collective Protection
  - Craig Lamoy, 540-653-3315
- Amphib Ship Backfit
  - Chris Reichart, 540-653-0437