



Product Director, Fixed Collective Protection Systems



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Agenda

- Role of the Product Director
- Vision
- Needs of the User
- Summary
- Contact information





Product Director- Fixed Collective Protection Systems (PD-FCPS)

- Serve as the JPM-CPs PD-FCPS



“If it doesn’t move, we support it”

Mission: Serve as the Joint Project Manager for Collective Protection focal point by providing overall direction and guidance for research, design, develop, test, procure, field and provide life cycle oversight for Collective Protection equipment and systems for Fixed Facilities that provide contamination free areas to protect personnel and equipment against Chemical, Biological, Radiological, and Toxic Industrial Material threats.



Vision

- **Understand the current and future ColPro requirements for each Fixed Facility and structure the JPM-CP efforts to meet these needs, work with agencies across the US Government to accomplish this**
- **As focal point of DoD ColPro, serve as conduit between industry and user community**
- **Establish team of subject matter experts from throughout the DoD to address any issues and respond to requests**



Fixed Installation Requirements

- **Reduce initial installation cost and time**
- **Reduce operating costs – electricity and filters**
 - Lower pressure drop filters
 - Longer life filters
 - Tightly sealed spaces
 - Lower and/or variable overpressures?
- **Increase capability**
 - Address wider range of chemicals
- **Fully integrated systems**
 - Tied in with detection and notification equipment
 - Automated with building control systems
- **Simplified in-place leak testing process**



Near Term Goals

- **Develop and implement DoD standards for design process and system certification**
- **Establish working group for DoD and Industry to interact, communicate, and develop common practices and resolve issues of mutual interest**
- **Publication of Unified Facilities Criteria to provide common guidelines for design of Fixed Collective Protection**
- **Continue to work with user community to determine main needs/ shortfalls of current systems**



Mid Term Goals

- **Develop test bed for evaluating new technology and suitability to fixed installations**
- **Partner with industry to develop ColPro metrics and cost/ benefit analysis for fixed systems**
- **Address the challenges of internal release**
- **Method to better determine residual life of gas filters**
- **Work with industry to address lower cost, more effective, reduced O&M burden**





Current Activities

- **Shelter In Place Plus**
 - **Concept** : low installation and operating cost, on-demand, small scale system
 - **Currently installing prototype system for JPM-Guardian**
- **Fixed Collective Protection Workshop**
 - **Meeting of DoD agencies involved in Fixed Collective Protection**
 - **Recurring event with expanded participation**
- **Providing remote and on-site technical support and assistance for existing users**
- **Continuous evaluation of new technology for application in fixed facilities**
- **Establishing field organizations**



Summary

Conduit between industry and user community for Fixed Collective Protection

- Work with user community to determine current and future needs, work with industry to evaluate new technologies and answer these needs
- Establish a common working group to standardize design, testing, and certification procedures
- Support the Warfighter and national interests by providing unsurpassed technical expertise and reachback capability in Fixed Collective Protection

Providing CBR Protection Solutions to Fixed Installations



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