

JPEO-CBD

**Joint Program Manager
Individual Protection**

Advance Planning Brief to Industry

6-7 April 2004

**Mr. Doug Bryce
Joint Project Manager
Individual Protection**



Mission

The Joint Project Manager for Individual Protection (JPM-IP) Is Responsible for Individual Protection Programs Reporting to the Joint Program Executive Officer for Chemical and Biological Defense (JPEO-CBD).

The JPM-IP Manages Assigned Programs in a Manner Consistent With the Policies and Principles Articulated in DoD directives and Acquisition Excellence initiatives. In Addition, the JPM-IP Is Responsible for the Life Cycle Management of Assigned Programs and Actively Manages, Within Approved Resources, Program Cost, Performance and Schedule and Provides Assessments of Program Status, Risk and Contractor Performance to the JPEO-CBD.

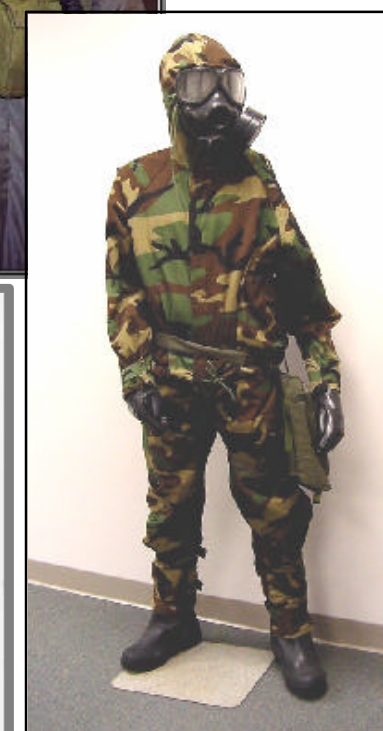
Vision

Provide the Best Chemical and Biological Defense Individual Protection Technology and Equipment at the Right Cost, the Right Time and at the Right Place.



New/Ongoing Programs:

- **Joint Service Lightweight Integrated Suit Technology (JSLIST) Ensemble, Garment, JB1GU, JB2GU, MPS, MULO, AFS**
- **Joint Protective Aircrew Ensemble (JPACE)**
- **JSLIST Additional Source Qualification (JASQ)**
- **Joint Service General Purpose Mask (JSGPM)**
- **Joint Service Aircrew Mask (JSAM)**
- **Joint Service Chemical Environmental Survivability Mask (JSCESM)**
- **M45**
- **Joint Service Mask Leakage Tester (JSMLT)**
- **Joint Service Container Refill System (JSCRS)**



Warfighter Needs- Protective Clothing



- **Self Detoxification Technology**
- **Light Weight, Comfortableness**
- **Cooler Material**
- **Cooling Technology**
- **Improved Closure**
- **Residual Life Indicators**
- **Improved Dehumidification**
- **Protection Against Next Generation Agents (NGAs) and Future Generation Agents (FGAs)**



Boots:

- **Common Footwear Integrate Combat into Chem/Bio**
- **Improved Protection Against Liquids**
- **Comfort**
- **Flexibility**
- **Durability**
- **Closures Technology**



Socks:

- **Improved Protection Against Liquids (condensed perspiration)**
- **Improved Breath-ability**
- **Moisture Protection**
- **Self Detoxification**

Warfighter Needs- Gloves



- **Improved Protection Against Liquids/Tacticle**
- **Controlled Permeability**
- **Improved Dexterity**
- **Puncture Resistance**
- **Closure Technology**



Protection:

- **New Hood Material**
- **Seams Technology**
- **Next Generation Agent Protection**
- **Hydration Capability Technology**

Vision:

- **Improved Distortion Viewing**
- **Lens Coating/Fogging Technology**
- **Comfortableness**

Warfighter Needs- Mask Filter



- **Establish Common Filter Form and Fit**
- **Interchangeable use with all mask**
- **New TIC Performance**
- **End of Life Indicator**
- **New Lighter, Improved, Smaller Material**
- **Breathing Resistance**
- **Detect/Protect in wide range of Chemical Warfare Agents (CWAs)**



Filtration

Longer Lasting, Less Breathing Resistance, Capacity to Accommodate Peak Breathing Flow Rates, and Improved Toxic Industrial Chemical/toxic Industrial Material Capability (TIC/TIM).

Lighter Materials/Improved Fabrics

Reduced Weight, Reduced Thermal Burden, Increased Threat Protection Capability, Improved Water Vapor Elimination, and Improved Durability and Ruggedness While Maintaining Warfighter Acceptability.



- **Protective Ensemble Test System**
 - Use of Live Agents
 - Characterization of Airflow in the Ensemble
 - Toxicological Dosage Measurements

- **Protective Boot Sub-System Test**
 - The End State of Chemical and Biological Footwear Protection Is to Integrate Chemical and Biological Protection Into Current Combat Footwear. The Objective of This Test System Will Be to Test the Boot As a Sub-system to the Overall Ensemble System.

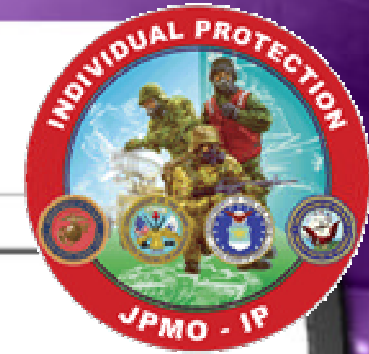


- **Self Detoxifying Materials for CB Protective Clothing**
 - **Demonstrate Lightweight, Self-detoxifying CB Protective Clothing, Demonstrating Nanofibers, Nanoparticles, and Nanoreactors in Fabrics**
- **Cooling System**
 - **Develop a Small, Lightweight, Man-portable Microclimate Cooling System (MCS) That Mitigates the Heat Stress of the Warfighter and Emergency Responder.**
- **End-of-Service-Life Indicator for NBC Mask Filters**
 - **Develop a Low-cost End-of-service-life Indicator (ESLI) For Use in NBC Mask Filters Capable of Detecting the Presence of a Wide Range of Chemical Warfare Agents (CWAs).**



- **Modeling and Simulation**
 - **Develop an Overarching Model for Individual Protection**
 - **Includes the Ability to Support Research, Development, Testing, Evaluation and Producibility Actions**
 - **Model Will Be Both Predictive and Provide an Assessment/evaluation Method**
 - **Identify the Testing Inputs Required to Function the Model and the Required Inputs From Each Level of the Life Cycle Process**
 - **Identify Testing Deficiencies, Shortfalls and Suggested Improvements in Current Testing to Meet the Model Requirements.**
 - **Identify Data Gaps in Current Test Data Which Are Needed to Develop the Model, Assess the Current Baseline Systems, and Provide Information on System Performance.**

Upcoming Opportunities



JSLIST Additional Source Qualification (JASQ) II:

- RFP FY04

Joint Service Container Refill System (JSCRS)

- RFI FY04

Alternate Footwear Solution (AFS) Increment II

- Tech Base FY06

Joint Chemical Ensemble (JCE)

- Tech Base FY06

Next Generation Aircrew Mask (JGAM)

- Tech Base FY07

Points of Contact



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