

Joint Project Manager Nuclear, Biological, and Chemical  
Contamination Avoidance

**JPEO-CBD**



**Joint Project Manager  
Nuclear, Biological, and Chemical  
Contamination Avoidance  
Advance Planning Brief to Industry**

**6-7 April 2004**

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Joint Project Manager  
NBC Contamination Avoidance**





## Mission

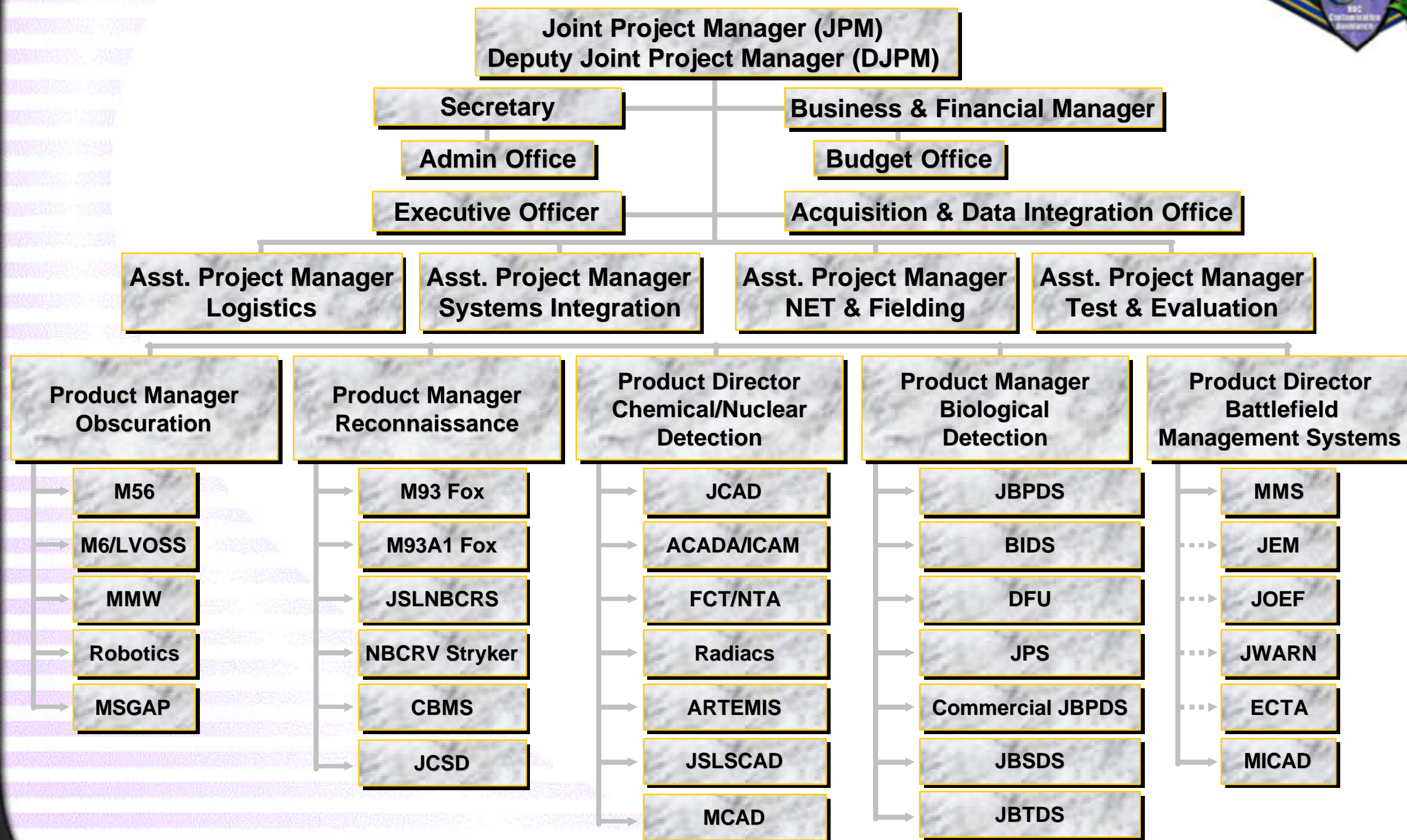
**The Joint Project Management Team for Nuclear, Biological, and Chemical Contamination Avoidance Is Responsible for the Development, Production, Testing, and Fielding of NBC Detection, Obscuration, and Reconnaissance Systems. The JPM Team Ensures Systems Acquisition Outcomes That Provide Maximum Warfighter Capability At the Right Cost, At the Right Place and At the Right Time.**

## Vision

**To Be Recognized As the Provider of the Best NBC Contamination Avoidance Products for the Joint Force Warfighters and the Nation.**



# Office of the Joint Project Manager NBC Contamination Avoidance





# Warfighter Needs



- **Small, Hand Held Detectors**
- **Remote Detection**

**Operable In All Environments**



# Technical Challenges



- **Lightweight Detection**
- **Reduced Power Requirements**
- **Rechargeable, Common Batteries Are Priority**
- **Ultra Sensitivity to Very Low Levels of Hazard**
- **Integration Into Relevant Common Operational Picture**
- **Interferent Rejection**
- **Detection of Hazardous Chemicals**
- **Ultra-reliable With Reduced Life Cycle Costs**
- **Rapid, Automatic, Accurate Operation for Detection, Warning, Quantification, and Self-check**
- **Multi-functional Sensing**



## Technical Challenges con't



- **Improved Standoff Discrimination Technologies**
- **Sense and Warn Up to 5km Away While on the Move**
- **No False Alarms**
- **Ultra Reliable With Low Life Cycle Costs**
- **Sense and Warn up to 5km Away While on the Move**
- **Minimal Signatures**
- **Improved Biological Discrimination Technology**



# Upcoming Opportunities



- **Joint Chemical Agent Detector** 3QFY04
- **Joint Biological Standoff Detection System** 2QFY05
- **ARTEMIS** 3QFY06



# Points of Contact



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